

CU

AMIGA

BRITAIN'S
FASTEST GROWING
AMIGA MAGAZINE

THE MAGAZINE FOR A500, A600, A1200 & CD32 OWNERS

WHAT A GOAL!

THREE WHOLE DISKS COMPATIBLE WITH ALL AMIGAS: THE UTILITY BONANZA CONTINUES WITH VIDEOTRACKER AND THE SUMMER OF SOCCER STARTS HERE WITH SUPERB DEMOS OF TACTICAL MANAGER AND SIERRA SOCCER!

DISK 83 A500, A500+, A600, A1200 COMPATIBLE CU AMIGA

VIDEOTRACKER

Create stunning demos and videos instantly!

Create blinding demos incorporating synchronised sound and visuals with this amazing full program. Use it with OctaMED, DPaint, ProTracker, SoundTracker, Brilliance etc. We've even included AGA and non-AGA versions to push your Amiga to its limits. Genlock support makes it perfect for video work too!

NO DISK ATTACHED?

ASK YOUR NEWSAGENT

AMIGA GRAPHICS AND VIDEO SPECIAL

THE TURTLE AND MORE ON PAGE 24

PLUS: A COMPLETE BUYERS' GUIDE



REVIEWED
JAMES POND 3
IMAGE FX 1.5
AND MORE

EXCLUSIVE!
PAGESTREAM 3 PREVIEW

DISK 84 A500, A500+, A600, A1200 COMPATIBLE CU AMIGA

TACTICAL MANAGER

Fancy losing a week of your life in the name of soccer? That's what'll happen when you play this exclusive demo of Black Legend's Tactical Manager. Absolutely nothing has been disabled or switched off - get stuck in!

PLUS A complete, playable demo of the wonderful Statist!



PLUS MORE SUPERB SAMPLES FOR OCTAMED 4 IN PART TWO OF THE CU AMIGA SAMPLE LIBRARY!

NO DISK ATTACHED?

ASK YOUR NEWSAGENT

DISK 85 A500, A500+, A600, A1200 COMPATIBLE CU AMIGA

Truly soccerstastic! This super demo of Sierra's aptly named soccer game features England Vs The Republic Of Ireland - Tel's boys against big Jack's lads. You decide the winner.



SIERRA SOCCER World Challenge Edition

PLUS YES, YOU'VE GUESSED IT, EVEN MORE OCTAMED SAMPLES (SINCE YOU LOVED THEM LAST MONTH).

NO DISK ATTACHED?

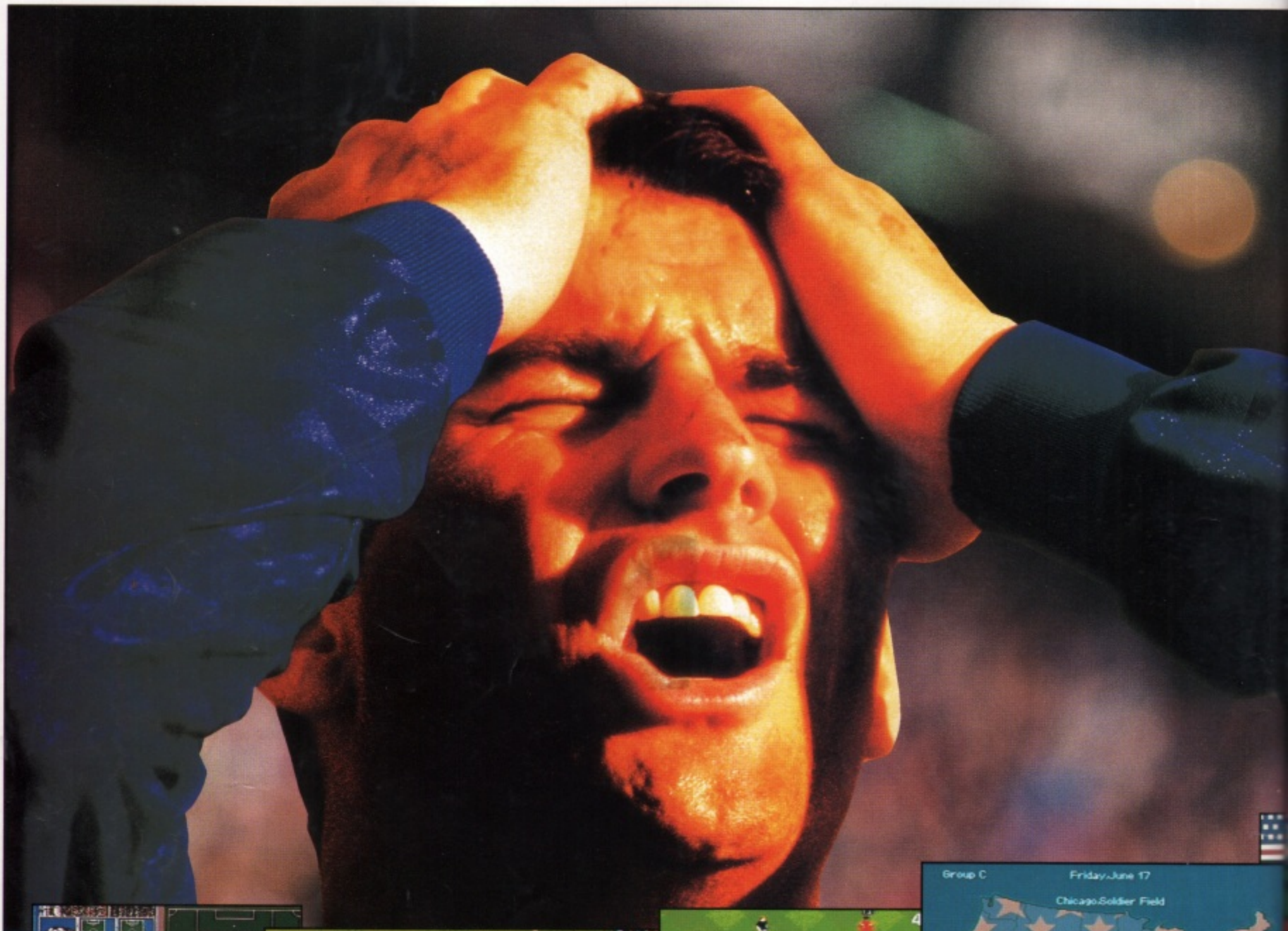
ASK YOUR NEWSAGENT

FRONTIER 2
REVEALED:
SEE NEWS



JUNE £3.95
US\$7.95 CA\$9.95 DM20
PTA 995 L13600 ASCH 170
AN EMAP PUBLICATION

SO REAL



©1991 WC '94 / ISL. ©1992 WC '94 / ISL. ©1994 U.S. Gold LTD. All rights reserved. Official Licensee U.S. Gold Ltd., Units 2/3
Holford Way, Holford, Birmingham B6 7AX, Tel: 021 625 3366. U.S. Gold is a registered trademark of U.S. Gold Ltd. 'SEGA' 'MEGA
DRIVE' 'MEGA-CD' 'MASTER SYSTEM' and 'GAME GEAR' are trademarks of SEGA Enterprises Ltd., ©1994 SEGA Enterprises Ltd.
Nintendo® Super Nintendo Entertainment System™, GAME BOY™, and the Nintendo Product Seals are trademarks of Nintendo.

Screen shots are from various formats and are illustrative of gameplay and not the screen graphics which may vary considerably
between formats.



IT HURTS

nothing matches the anguish...

...of a missed penalty in a **SHOOT OUT** that could take you to the World Cup final.

That's the reality of World Cup USA '94 from U.S. Gold.

Serious game play and the only one serious enough to carry the **official license**.

You get more options, more **CUSTOMISATION**, more frames of animation and more playability than any game ever, plus a few unique **SURPRISES** guaranteed to keep your opponents guessing.

What we're talking about is a football game that gives you the

feel, guts, smart thinking and downright inspired moves of real World Class Football.

So if you want to play real football, put your brain in gear and get U.S. Gold's World Cup USA '94.

...this is a game for players.

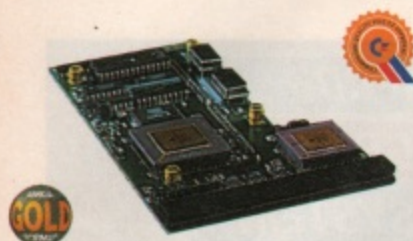
It's out on **June 3rd** and it's the **only one worth waiting for**

WorldCupUSA94 

© 1991 WC'94 / ISL

MEGA-CD
MEGA DRIVE
MASTER SYSTEM
GAME GEAR
SUPER NINTENDO
GAME BOY
AMIGA
IBM PC
CD-ROM





VIPER 68030

The amazing Viper 030 board is a feature packed accelerator card which out classes the equivalent competitors 030 boards at a fraction of the cost.

The Viper will give an amazing 440% overall speed improvement over your Amiga 1200, making it even faster than an Amiga 4000/030! Some operations have speed increases in excess of fifteen times.

Some floating point operations are an incredible sixty seven times quicker, faster than an Amiga 4000/040!

Viper Features

- Full 030 with MMU running at 28Mhz
- FPU running up to 50Mhz
- Industry standard 72 pin SIMMS
- RAM, upgradable to 128MB using 1, 2, 4, 8, 16, 32, 64 or 128MB SIMMS
- On-board battery backed clock
- Optional SCSI-II adaptor
- Full kickstart remapping (FASTROM option)
- 68882 maths co-processor (28MHz)
- Faster than an Amiga 4000/030
- Supports instruction + data burst modes 50% cheaper than the competition

Viper Standard (no FPU).....	£159
Viper 2MB (no FPU).....	£239
Viper 4MB (no FPU).....	£309
Viper 8MB (no FPU).....	£479
20MHz FPU	£25
33MHz FPU	£60
40MHz FPU	£80

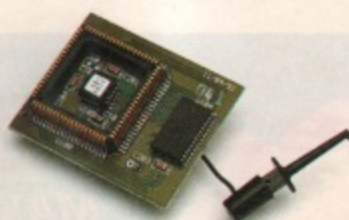
PC 1202-8

PC 1202-8 is an A1200 accelerator memory board.

PC1202-8 Bare.....	£79.95
PC1202-8 68882 20MHz.....	£99.95
PC1202-8 2MB (no FPU).....	£159.95
PC1202-8 4MB (no FPU).....	£239.95

PRO-SOFTWARE

Please enquire for software prices.



MEGAHIP RAM

Increase your Amiga 500/2000 chip RAM to a total of 2MB. MegaChip does this by using its own 1MB of RAM and drawing extra memory from any other RAM you have installed in your Amiga. No soldering is required.

MegaChip RAM£159

MEMORY EXPANSION

We manufacture a vast range of memory cards for the Amiga 500, 500+, 600, 1200, 1500, 2000, 3000 and 4000. Please telephone us for prices and availability.



EMPLANT MAC EMULATOR

This Macintosh emulation board boasts to many features to list all of them, for further details please contact Power. Some of the features include full colour support, stereo sound, hard drive support, Mac 800K and Mac/IBM 1.44MB support, Appletalk, SCSI devices, printers, scanners and CD-ROM etc.

Basic	£299.95
Basic + Appletalk	£349.95
Basic + SCSI Interface.....	£349.95
Basic + Appletalk/SCSI Interface	£399.95

SCSI-2

SCSI-2 adaptor.....£79

DKB 3128

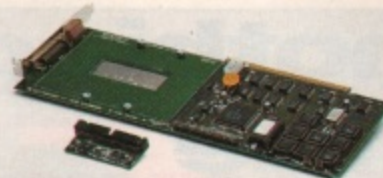
Up to 128MB of RAM on your Amiga 3000/400 using 4,8,16 and 32MB Simm modules. This is a true Zorro III 32-bit memory board.

DKB 3128 0MB RAM.....£279

OCTOGEN SCSI-2

SCSI-2 board for the Amiga 2000 including memory expansion capabilities of up to 8MB.

Octogen SCSI-2.....£129



DKB 4091

The DKB 4091 (licensed by Commodore) SCSI Host Adaptor is a high performance board that connects up to seven SCSI devices to your Amiga. The DKB 4091 features: Full Zorro III implementation, fast SCSI-2 implementation, SCSI internal connector and ribbon cable, high density SCSI-2 external connector, direct memory access (DMA) and hardware to install a 3.5" hard drive on the board.

DKB 4091£299



VIDEO BACKUP

Use a VCR as a backup storage device. Two hundred Amiga floppy disks fit on to a 4Hr tape which can be used for an alternative hard disk backup system. What's more you can now watch television on your 1084s monitor. A Scart or Phono version is available.

Video Backup Scart	£65
Video Backup Phono	£60

TANDEM CD-DE

- For 1500/2000/3000/4000
- Supports Mitsuma LU005 CD-ROM & FX001D double speed CD-ROM drives
- Supports Syquest 3.5" drives
- Supports IDE hard drives
- Play audio CD utility
- Requires KickStart 2.04 and above
- Includes cables, software and manual

Tandem CD-DE card	£69
Tandem CD-DE & Double Speed CD	£229

CO-PROCESSOR

All maths co-processors include crystals.

20MHz.....	£25
33MHz.....	£60
40MHz.....	£80
50MHz (PGA).....	£154



POWERSCAN 4

Produce 256 greyscale images (on a AGA machine), scan in 64 greyscales (non AGA Amiga can only display 16), add colour to greyscale images, special effects, new support for 18-bit scanner, add text to scans, available with mono or colour scanner. A1200/600 version available soon

PowerScan 4 (Mono)	£119
PowerScan 4 (Colour)	£239
PowerScan 4 inc. OCR	£139
PowerScan 4 upgrade interface	£50
PowerScan 4 upgrade software.....	£20
OCR Full version	£49

EPSON SCANNERS

The GT-6500 and GT-8000 24-bit colour flatbed scanners from Epson scan up to A4 in size with output resolutions of up to 1200DPI on the GT-6500 and 1600DPI on the GT-8000 in 16, 256, 640,000 colours, greyscale or line art. The scanners include either PowerScan or Image FX scanning software.

Epson GT-6500 PowerScan	£599
Epson GT-6500 Image FX	£689
Epson GT-8000 PowerScan	£849
Epson GT-8000 Image FX	£929
Document Feeder.....	£399

DISK EXPANDER

- Can add 50% to your hard drive capacity at a stroke
- Fast compression and decompression
- Flexible and expandable as new compression libraries are developed
- Works with all drives, including SCSI, IDE Floppies, and even the RAM disk
- Reliable in tests - no data corruption
- Once installed the program is transparent to the user
- Works on any Amiga and any KickStart

Disk Expander

£35

AUTO ROM SHARE

ROM Share	£19.95
ROM Share including v2.04	£50
ROM Share including v1.3	£39
ROM Share A600	£29
ROM Share A600 v1.3	£55

POWER COMPUTING LTD

44a/b Stanley Street Bedford MK41 7RW
Tel 0234 273000 Fax 0234 352207



CALCOM V.32 BIS

- External Fax & Data modem
- Supports up to 57,600 bps
- Full Haynes AT command set supported
- Supports class 1, 2 and 3 fax commands
- Call back security
- Optional power on auto-dial
- Supports error correction + detection
- Leased line support
- Supplied with Amiga and PC software for Windows
- All cables & Power supply included

Calcom v.32 bis£169
Calcom v.32 bis inc. TrapFax.....£199



FARGO PRIMERA

Now you can produce stunning, high quality output on paper, transparency film or even T-Shirt transfer from your Amiga. The Primera colour printer, recent recipient of countless awards in the IBM-PC and Macintosh markets is also the perfect companion to any Amiga. Primera uses wax thermal transfer technology, a technology usually associated with much higher priced printers. Some of the features include, software drivers for Amiga, PC and Macintosh, optional photo-realistic upgrade kit (dye sublimation) and monochrome ribbon cartridges available for text printing only.

Primera printer.....£649
Photo realistic upgrade kit.....£199
Photo realistic refill kit (100 prints).....£250
Photo realistic refill kit (25 prints).....£79.95
4 colour ribbon (80 prints).....£38.95
3 colour ribbon (115 prints).....£38.95
Monochrome ribbon (400 prints).....£31.95
Primera paper (A4 200 sheets).....£18
T-Shirt transfer paper (A4 10 sheets).....£17.95
Primera & Studio DS software£699
(Studio software is a true 24-bit printer driver)



XL DRIVE

The XL Drive can be used with any Amiga Computer, and allows you to store a massive 1.76MB on a high density floppy diskette. The drive can also act as a standard 880K drive and can read and write disks written on an A4000 internal high density drive. XL Drive requires Kickstart 2 or above.

XL Drive external.....£89.95
XL Drive internal (all Amigas*).....£79.95
XL Drive internal A4000£89.95

POWER DRIVE

The new Power Drive is the most impressive disk drive of its kind on the market. The drive includes a strong aluminium casing, an anti-click device, virus blocker, Cyclone compatible chip and the latest built-in backup hardware which allows X-Copy to copy and verify.

Power Drive£60
Cyclone & Blitz Software£15
Power Drive 1.76MB Upgrade...£49.95

Features	Power	Amitek
Anti-click	●	●
Anti-virus	●	●
Aluminium extrusion	●	●
Sony mechanism	●	●
Isolation switch	●	●
Thru'port	●	●
Upgradable to 1.76MB	●	●
Cyclone compatible chip	●	●
Built-in backup hardware	●	●
Amiga Format Gold	●	●

Beware - Flickering LED's on your disk drive mean that the drive has not been modified by Sony for 100% Amiga compatibility.



NEW MIDI INTERFACE

Midi Interface (new Midi chip).....£19.95



INTERNAL DRIVE

We use the same drive mechanisms as Commodore so that you get the kind of reassurance at a cheaper price than other internal drives on the market.

PC881 A500 Internal drive.....£40
PC882 A2000 Internal drive£40

SCSI/IDE DRIVES

We can supply SCSI or IDE 3.5"/2.5" hard drives in many different sizes. Including cables and installation software.

80MB IDE 2.5" Internal£160
130MB IDE 2.5" Internal£229
170MB IDE 2.5" Internal£270
260MB IDE 2.5" Internal£359
52QMB SCSI/IDE.....£169
80MB SCSI/IDE.....£179
160MB SCSI/IDE.....£249
200MB SCSI/IDE.....£349

PC880E DRIVE

This drive is a high quality external floppy drive at a fraction of the price. As with all of our drives the PC880E has a thru'port, disabling switch, anti-click and a 12 month guarantee.

PC880E Economy Drive.....£49.95



Products shown with this distinctive emblem have been tested and approved by Commodore ensuring the quality and complete compatibility with Commodore computers.

Power Drive
XL Drive Internal/External
Power Scanner 4
PC880E
Viper 68030 Turbo

SYQUEST DRIVES

3.5" IDE Internal£499
3.5" IDE External.....£579
3.5" 105MB Cartridge£79
3.5" SCSI version available £POA

POWER OPTICAL

128MB Optical Internal.....£699
128MB Optical External£779
128MB Optical Disk£35
SCSI Controller A2000£129

DUAL DRIVE

Our Dual Drive is packed with the many features of the PC880B whilst having two drives using only one port.

Dual Drive£125

X-BACKUP PRO

X-Backup Pro (Hardware designed by us).....£29.95

Order Form

Name
Address
Postcode.....
Telephone No.
System Owned
Description
I enclose a cheque/PO for £
Credit Card No.
Expiry Date
Signature

Delivery next day £5.00 2-3 days £2.50 Saturday £10.00 deliveries are subject to stock availability.
Please make cheques payable to Power Computing Ltd

OFF THE CUFF

EDITORIAL



Okay, so some of you may have heard recent rumours of Commodore's imminent demise. Well, don't worry. The current position is fully explained on page 17, and

David Pleasance gives his own version of events in *Commodore Writes* on page 23. Let me give you a worst case scenario though: Commodore UK go bust. Their warehouses all over the world are sucked into another dimension and prospective purchasers of their technology (some of the largest corporations in the world) suddenly have a cash flow crisis and can't afford to rescue them. In the short term, the only people likely to be directly affected would be Chelsea Football club. I'm not joking. The Amiga is a world computer. Upwards of three million have been sold in the last eight years and the peripherals, support and software industry that has been built around it is worth millions of pounds every year – this is not all going to fizzle out over night. You'll still be able to buy advanced software, you'll still get the best games, you'll still be able to have your Amiga repaired and you'll still have CU AMIGA. Don't panic, your investment is safe for the moment.

Alan Dykes
Editor

AD INDEX

ANALOGIC.....	150	081-546 9575
BRUCE SMITH BOOKS.....	72	0923-894355
CU AMIGA CLASSIFIEDS.....	169-171	071-872 6700
CYNOSTIC PD.....	51	0203-681687
DART COMPUTER SUPPLIES.....	165	0533-470059
DAZE MARKETING.....	57, 79	071 328 2762
DELTRAX PD.....	136-137	0492-515981
DIRECT SOFTWARE.....	80	0908-379550
ECU.....	43	0800-496379
ENTERTAINMENT INTERNATIONAL.....	10-11	081-343 9143
EMERALD CREATIVE.....	103	081-715 8866
EPIC MARKETING.....	22, 44-45	0793-432176
EYESHAM MICROS.....	156	0386-785500
EXPRESS PD.....	150	0533-559711
FIRST COMPUTER CENTRE.....	120-121	0532-319444
FIVE STAR PD.....	146	0827-68496
GASTEINER.....	74	081-345 0000
GOLDEN IMAGE.....	114	081-365 1102
GORDON HARWOODS.....	36-39	0773-836781
GROUND ZERO.....	138	0272-741462
HI SOFT AWA.....	126	0525-718181
HOBBYTE.....	90-91	0727-856005
HOME COMPUTER SUPPLIES.....	51	
IMAGINEER.....	29	
INDI.....	94-97	0543-419999
KONTAX COMPUTERS.....	58	0628-773212
LADBROOKE COMPUTING.....	116	0772-203186
LCL.....	117	0491-579345
LIVE 94.....	76-77	
MICROPROSE.....	21	0454 326 532
MICRO BUSINESS TECHNOLOGY.....	68	0902-324494
MICROVITEC.....	113	0274-390011
NEXUS PRO.....	89	041-641 1142
ORION PD.....	141	091-438 5021
OWL ASSOCIATES.....	58	0543-250377
PD SOFT.....	109	0702-466933
PEN PAL.....	86	
PHOENIX COMPUTERS.....	70-71	0532-350091
POWER COMPUTING.....	4-5, 50	0234-273000
PREMIER MAIL ORDER.....	160	0268-271172
PSYGNOSIS.....	08C	051 709 5755
RASPUTIN SOFTWARE.....	68	0689-850770
RENEGADE.....	14	071 481 2914
ROMBO.....	IBC	0506-466601
17 BIT SOFTWARE.....	132-133	0924-366882
SEASOFT.....	140	0903-850378
SELECTAFONT.....	110	0702-202835
SIERRA SOFTWARE.....	33	0734-303322
SILICA SYSTEMS.....	125, 159, 163, 167	081-309 1111
SOCCER STORE.....	40	0602-680395
SOFTWARE PRODUCTS.....	62-63	0773-836781
SOFTWARE BUSINESS.....	67, 89	0480-498497
SNAP COMPUTERS.....	72	0703-457111
SPECIAL RESERVE.....	24-25	0279-600204
TRC MEDIA.....	68, 165	
TRILOGIC.....	80	0274-891115
U.S. GOLD.....	IFC	021-625 3366
VIRUS FREE PD.....	127	0793-490988
WMC PD.....	141	0286-871815
WTS ELECTRONICS.....	106-107, 110	0582-491949

CU AMIGA CONTENTS



24 ACID VS PROFESSIONAL VIDEO

All over the world the Amiga's abilities are being used for much more than just gaming and word processing. Its advanced graphics and video capabilities are utilised by TV production companies, movie makers, museum interactive displays and even the London Underground (though not on the Northern Line we hear, it's so slow it's still using ZX81s). Andy Leaning scoured the USA for cartoons and movies, hung around underground stations taking down train numbers, and watched days of television and video to bring you the latest on the best professional Amiga users around. And Tony Horgan? He just partied around the country. From Land's End to John O' Groats, CU AMIGA's very own VJ has pumped his jam and strutted his funky stuff to find out who's who in the underground video production scene. Plus: A buyers' guide to practically every graphics, art, and video package and peripheral you'll need.

GET SERIOUS

PRODUCTIVITY REVIEWS PRODUCTIVITY REVIEW PRODUCTIVITY REVIEW

We've got the lot this month when it comes to serious software and hardware reviews. There's an exclusive behind-the-scenes look at the new *Pagestream* update, reviews of Power Computing's new low-cost hand scanner and the clever GP Fax system, along with tests on the new Microvitec monitor, *Hanna Barbera Animation Studio* and stacks more!

98 POWERSCAN PROFESSIONAL

We take a 400 DPI-look at Power Computing's latest offering.

99 DISTANT SUNS 5.0

A planetarium in your Amiga – that's what's on the menu in *Distant Suns 5.0*.

99 DIR WORKS 2

It works, and it's far from dire! *Dir Works 2* could be the answer to your SHELL nightmares.

99 AMIGA ASSEMBLER INSIDER GUIDE

Read up on what's what with everyone's favourite programming language assembler.

100 PAGESTREAM 3

The powerful DTP system is nearing release version 3.0. We take a sneak peek.

104 IMAGE FX 1.5

Now that *Art Department Professional* has upped the image processing stakes, can *Image FX* keep up?

108 HANNA BARBERA ANIMATION STUDIO

Cartoon animation made easy.

111 FMV CD32 COMPETITION

We've got three FMV-equipped CD32s up for grabs!

112 GP FAX

Turn your Amiga into a fax machine.

115 A1200 RAM BOARD COMPARISON

The AmiTek Hawk and Blizzard 1220/02 boards go head-to-head.

118 MICROVITEC 1438 MONITOR

Fuzzy images? Blurred vision? Too many bits wobbling around? You're getting old – either that or you need a new monitor.

119 SHARP DV-3750H TV

Use a TV instead of a monitor and watch *Home and Away* too!

122 PROGRAMMING GUIDE

CU AMIGA's guide to programming tools, and all you need to get started.



Could Empire's Hanna Barbera Animation studio be the missing link between traditional cartoon production and computer animation?



Image FX is under pressure from the new AdPro update – can it hold its own?



Pagestream 3.0. The face of modern desk top publishing?

CD32 FMV MEGA COMP

Last month, we reviewed the first movies available for the CD32 with its Full Motion Video card. This month, there's even more. Not only that, many record companies are putting their top stars' videos onto CD too. The first 5,000 FMV cards available have already sold out, but we've got hold of three for you (and three CD32s too). See page 111.

SCREEN SCENE

GAME REVIEWS GAME REVIEWS GAME REVIEWS GAME REVIEWS

If we told you we had the greatest review section in the world, we wouldn't be lying. Where else can you thumb through the pages and find everything you could want to read about, from the brilliant *James Pond 3* to the not so brilliant *Mr. Nuts* from Ocean. We even review *Monopoly*!

52 FIRST IMPRESSIONS

Another chance to take an early look at some of the hot new games coming your way, including *Elfmania* and *Ruff 'n' Tumble*.

54 SIMON THE SORCERER 2

Can a month go by without us mentioning it? I don't think so. Join us as we take an exclusive look at Adventuresoft's sequel.

56 ISHAR 3

Silmarils are about to release their latest in a never ending line of enormous RPGs. Steve Keen gets in the mood.

59 VALHALLA

You may not have heard much about it, but *Valhalla* could be the success story of the year. We take an early look.

61 WORLD CUP USA '94

US Gold have got the official licence, and they're very pleased about it. Join us on our American tour.

64 JAMES POND 3

That lovable fish finally reappears on the Amiga, and CU AMIGA were waiting with their fishing rod to see what they could catch.

69 TACTICAL MANAGER

Yet another football management game? Ah, but this is a bloomin' good one. Check the coverdisk if you don't believe us.

73 SYNERGY

Puzzle games are a bit of a rarity on the Amiga at the moment. Imagine our surprise when two turned up at once!

75 MR. NUTS

Ocean Software have developed a console-like platform game with a cute and cuddly character. But is it any good?

78 ARCADE POOL

Chalk your pool cue and get ready to play with *Arcade Pool*.

81 MONOPOLY

Invite some friends round, crack open the wine and start buying property. Or you could get Supervision's *Monopoly*.

82 SIERRA SOCCER

Even more football craziness, and yet another good one. Again, if you don't believe us, check the coverdisk.

84 BENEATH A STEEL SKY SOLUTION

Part one of our two-part game solution will show you everything from how to blow up lifts to stealing drinks in clubs.

REGULARS.....

18 NEWS

More exclusives! *Frontier 2 - The First Encounter* announced! CD32 price drop! Plus an in-depth look at the Spring 1994 ECTS.

39 CD32 ZONE

CD32 titles galore this month, with games such as *Gunship 2000* and *The Chaos Engine* making the move to CD.

130 PD SCENE

What's the noise? That's not noise, that's Tony Horgan's PD scene.

134 PD UTILITIES

Thrills and spills aplenty in this month's three-page extravaganza.

142 ART GALLERY

Lisa's had a bad day, so make sure your pictures are good.



Pond is back, and he's brought a friend. Sorry, I can't think of any good fish jokes.



Simon The Sorcerer is back.



Robot building in *Beneath a Steel Sky*.



Mr Nuts. Not our favourite game.

NEXT ISSUE ON SALE 19 MAY

EDITOR: Alan 'Hrm' Dykes **DEPUTY EDITOR:** Lisa 'Oo's a naughty one' Collins **GAMES EDITOR:** Tony 'Lonely child' Dillon **TECHNICAL EDITOR:** Andy 'Egg sandwich' Leaning **ASSISTANT TECHNICAL EDITOR:** Tony 'Bass sample' Horgan **ART EDITOR:** Joanna 'Bye, bye' Winslow **ADDITIONAL DESIGN:** Wendy 'Caravan' Martin **TECHNICAL CONSULTANT:** John Kennedy **CONTRIBUTORS:** Andy Mitchell, Vampyra, Steve Keen, Matt Broughton **DISK COMPILER:** Kenny Grant **ADVERTISING MANAGER:** Sean Collings **SENIOR SALES EXECUTIVES:** Chris Perera & Kiera Roche **AD PRODUCTION:** Tina Gynn & Robin Ryan **GROUP ADVERTISING MANAGER:** Nigel Taylor **MARKETING SUPPORT:** Karen Williams & Fiona Malloch **PUBLISHING DIRECTOR:** Mike Frey

CU Amiga offices Priory Court, 30-32 Farringdon Lane, London EC1R 3AU. Tel 071 972 6700 Fax 071 972 6701. Distribution BBC Frontline Ltd, Park House, Park Road, Peterborough PE1 2TR. Tel 0733 551 161. Subscriptions and enquiries Tower Publishing, Tower House, Sovereign Park, Lathkill St, Market Harborough, Leics LE16 9EF Tel 0858 468 888. Annual Subscription Rates (inc postage) for 12 issues: UK & BFPO £47.50, Overseas surface mail: £60.00, Airmail Europe & Eire £66.00, Airmail Zone 1 & 2 £96.50

PRINTED IN THE UNITED KINGDOM

ABC 112, 780
July-December 1993

DISKS

Another three disks! Can you believe how good we are to you? This month we give you complete, playable demos of *Sierra Soccer* and *Tactical Manager* plus a level of the superb puzzler, *Statix*.

Video Tracker is also yours to keep, and it's all fully functional! Make your own music and graphics demos and videos without any programming knowledge!

DISK 83 PAGE 8



Quite simply the best coverdisk you'll find on any magazine, *Video Tracker* gives you the key to unlock your imagination and create brilliant music and graphics demos and videos, and it's all fully functional!

DISK 84 PAGE 12



Fancy trying out one of the latest and greatest soccer management games? Here's a full working demo of *Tactical Manager*. PLUS: *Statix* - a complete level!

DISK 85 PAGE 13



Sierra are trying their hands at a *Sensible* beater, and they might have cracked it. Try a match for yourself. PLUS: Loads more of Tony Horgan's sample collection plus an exclusive look at the number one song for Christmas (well, not quite).



COVERDISK 83

You've always wanted to make blinding music and graphics demos. Now you can with *Video Tracker*! Perfectly synchronised demos and videos are just a few mouse-clicks away with this fully operational demo-making package, and video users can go one better with the genlock option. Sorted!

VIDEO TRACKER

We've got three versions of *Video Tracker* on coverdisk 83 this month.

The first is written to work specifically on 1.3 Amigas, the second is enhanced for Kickstart versions 2.04 and higher, and the third caters for A1200 and A4000 owners with improved AGA features. See page 15 for instructions on loading the right version for your Amiga.

LOADING THE DEMO

There's a demo included on the disk to give you some idea of what *Video Tracker* can do. Select LOAD VIDEO, and you'll be shown a file requester with two demos. If you've got a 1Mb Amiga, select House (512K). If you have any more RAM, you can load the other demo (House) which is a little larger than the first. Once it has loaded, select PLAY to view it. Clicking the left mouse button brings you back to the control panel.

WHAT IS VIDEO TRACKER?

Good question. *Video Tracker* lets you create your own top-notch demos and videos without any programming knowledge whatsoever! The basic theory is that you load in an *OctaMED* or *Protracker*



Soundtracker music module, and then build your audio-visual extravaganza around the soundtrack, assigning various effects, pictures and animations to the samples in the song, resulting in a perfectly synchronised flow of sound and vision. For the more adventurous video user, there's a genlock option too, so you can mix your sound and Amiga graphics with any other video source. Pretty smart, we think you'll agree.

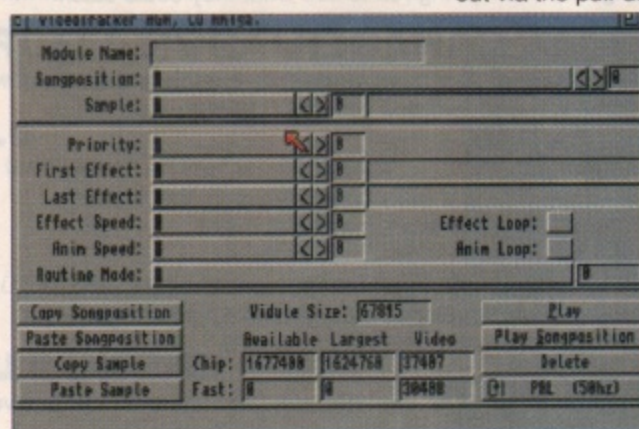
GENERAL OPERATION

Although they look very different, the three versions of *Video Tracker* all work in the same way. The main differences are the layouts of the control panels. These instructions will apply to all three versions, but before we get onto them, you'll first have to get the hang of working your particular version. Look at the two pictures above. The one on top is the main control panel of the 1.3 version, and the second is the control panel of the 2.04 and AGA versions.

1.3 USERS

The 1.3 version uses a customised interface with no pull-down menus. Everything is controlled from the main panel with just the mouse. To change the values in any of the boxes, move the pointer over the number, sample name or whatever, and click the right and left mouse buttons to increase and decrease the value, or scroll

through samples and effects. Clicking on the boxes with the white lettering has no effect.



through samples and effects. Clicking on the boxes with the white lettering has no effect.

To load a file into *Video Tracker*, use one of the buttons in the panel at the bottom right of the screen. If you want to load in a picture for example, click on the PICTURE button. Likewise, when you want to save a file, use the buttons beneath the SAVE box. Routine Mode can be altered just like the other parameters, but it also has + and - buttons that add or subtract in steps of 1024. This is because a routine can have up to 65,000 variations, and you probably don't fancy the idea of clicking the mouse button 65,000 times do you?

To remove the control panel and reveal the whole screen, click the small box in the top-right corner of the panel. Click the left button again to bring it back. The box in the top left corner quits the program. Be very careful not to click on this accidentally, as there's no "Are You Sure?" requester - it just quits straight out, wiping your current video from memory.

NB: Save your video regularly to

2.04 AND A1200 USERS

You lucky lot get a much nicer front end than the 1.3 version. All the parameters are altered with slider bars and increment/decrement buttons. All loading and saving is carried out via the pull-down menus. Most of

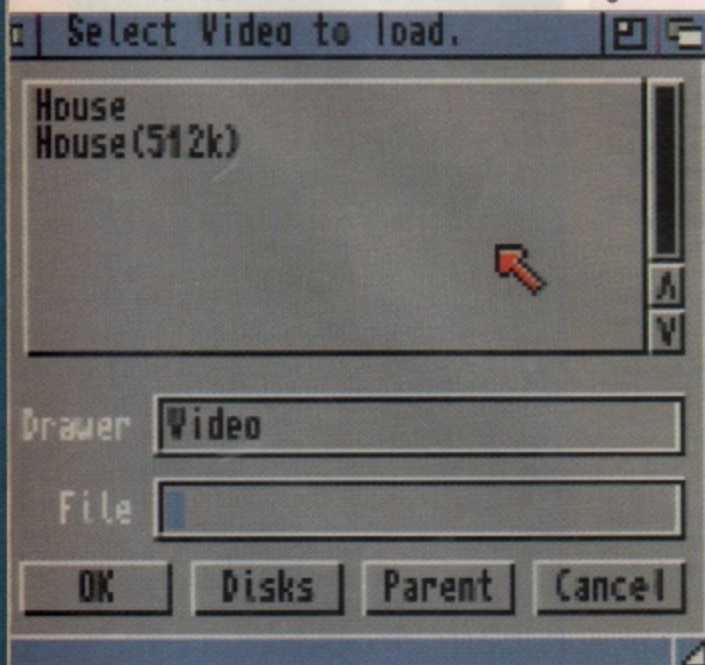
the other options are selected from buttons on the main screen.

HOW IT WORKS

The core of any demo made with *Video Tracker* is the sound track. This can be a standard *Protracker* module or an

OctaMED module. Your module is made up of a series of 'song positions'. Each time you add a block to the song in *Protracker* or *OctaMED*, you create another of these song positions. For example, song position 0 would be the first block in the song and song position 1 would be the following block in the song, even if you had repeated the same block twice at the start of the song.

For each song position, you can allocate a single visual effect or a string of effects for each sample. Song position 0 might have a bass drum and a high hat playing. You could allocate a short animation, a picture or an effect to the bass drum, and allocate something else to the high hat. When the bass drum played, your chosen effect would be shown on screen, and the graphics for the high hat would be shown when the high hat sample played. If both sounds played at once, and you wanted the bass drum graphics to over-ride the high hat graphics, you would give the bass drum sample a higher priority than that of the high hat. The graphics that are assigned to a sample will be displayed until the



sample stops playing. Look at the demo that's on the disk. Move to song position 0, and select sample number 29. This is an 'empty' sample, which was included in the original module as a cue-point. The Priority value is set to 1, which is the lowest priority. A sample with a Priority setting of 0 will have no visual effect.

The First Effect is set to effect number 0, which is Smile.brush (the smiley face graphic in the form of an IFF brush). Last Effect is set to effect number 1, ColourGrid.rot. This is one of Video Tracker's "routines", which is indicated by the .rot extension on the filename. Routines are clever effects like plasma, starfields, picture warps and so on. In this case, the two effects are shown simultaneously, because they both use compatible screen modes. The Effect Speed setting of 1 tells the program to display them both, if possible. No other effects are set for song position 1. To check, move through all the samples in the soundtrack, and make sure that the Priority value is set to 0 for all the other samples. The settings for sample number 29 can be completely different in each block, and are not automatically carried forward into the following blocks. In other words, if you move to another song position, sample number 29 will not necessarily be set up to show the face picture and the colour background.

Move to song position 1 and go through the list of samples, keeping an eye on the Priority value to see which samples are used to trigger effects in the second block. Sample 29 now displays a screen of concentric circles, and then uses the PictureMove.rot routine to move it around. It's now joined by another sample called 'beep' which goes through a sequence of displaying four different screens of concentric circles. First Effect for 'beep' is set to Effect number 42, while the Last Effect is number 45. Each time the beep plays, it moves one step through its sequence from effect 42 to 45. Try changing the first and last effect settings for the beep sample, then play the video to see the results.

Mess around until you've got a basic idea of how the thing works, then you can get on with making your own demos and videos.

DO IT YOURSELF

To make your own demo, you'll need either OctaMED, Protracker, or a similar tracker that saves out standard modules. Video Tracker has a special player routine for OctaMED modules, so you don't need to emulate Soundtracker modules. Load your music program and write a module, preferably using small samples rather than lots of long loops. This will give you more opportunity to cue-up graphics in time with the music. Save your module out to disk. If you don't have

much RAM, keep it short, as you'll need to leave room for the graphics.

The other half of the demo will be your graphics. Use Deluxe Paint or a similar art package to create a few pictures and animations.

Use low resolution and fewer colours if you need to conserve RAM. Save these to disk and have them

OCTAMED USERS

There's a bug in the player routine that handles OctaMED modules. If a sample stops playing, and there's nothing else playing after it in the same channel, you get a very high pitched whine. To avoid this, put loops at the end of all of your samples from within OctaMED. You don't actually want to loop the original sample, you just want to keep it playing to avoid the whine when played with Video Tracker. The best thing to do is set up a very short loop right at the end of the sample (the last two bytes), and change the volume of these two bytes to zero. That way, the loop will be silent. Because the samples will actually still be playing, you won't get the whine. This is a bit of a pain, but Video Tracker is just about the only program that allows the use of OctaMED modules as well the usual Soundtracker format, so don't knock it!

handy for loading into the Video Tracker program. You should now have a music module, and some animations and pictures on disk. Now you can really start cooking.

COOKING WITH DELIA

Load up Video Tracker once again, and select LOAD MODULE. Leave the Video Tracker disk in the drive until the access light goes out. Replace the Video Tracker disk with the disk containing your music module. Click on DF0: from the devices list on the right of the file requester, and then double-click on the name of your music module when it appears in the directory listing. If you're running from a single floppy drive, you'll be asked to replace the Video Tracker disk (referred to as VT). Do as it says. A couple of disk swaps later, you should arrive back at the main control panel.

Now you need to load some graphics and effects. Click on LOAD PICTURE. When the access light has gone out, insert the disk containing your graphics, and click on DF0: from the devices list. Select a picture file from the directory listing by double-clicking it with the mouse.

Once you return to the control panel, move the First Effect counter forward by one, and then select LOAD PICTURE again. Load in another picture. Any effects or graphics are always loaded into the current First Effect slot.

You should now have two pictures and a soundtrack loaded. Select PLAY and listen to the soundtrack. Pick out one of the samples that plays in the first block, and get it up in the SAMPLE selector by cycling through until its name appears in the box. Set

the SONG POSITION counter to zero, and the PRIORITY value to 1. Change the First Effect setting to zero, which should also show the name of the first picture you loaded.

Change the Last Effect setting to 1, which should show the name of the second picture you loaded. Set

EFFECT LOOP to ON (a tick mark on the AGA/1200 versions). Select PLAY and you should see your two pictures jumping back and forth from one to the other each time the sample plays.

ADDING MORE EFFECTS

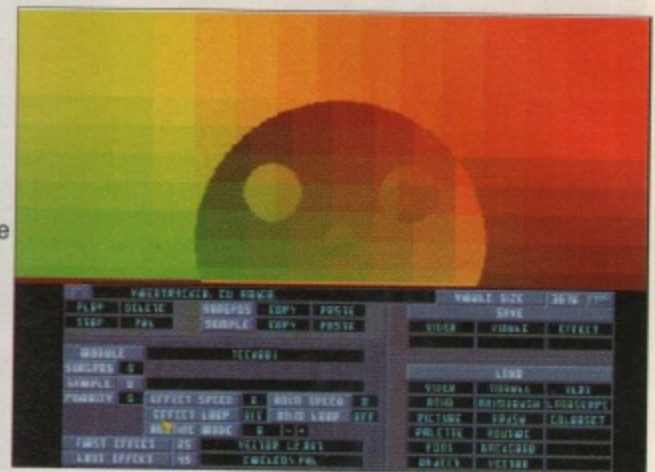
So long as the sound you've just selected doesn't play continuously throughout the first block, you should now be able to assign another effect to a different sample, which should jump in between the first effect you set up. Keeping the SONG POSITION counter on zero, move to another sample that's played in the first block, and then change the First Effect setting to 2.

Load an effect from the Video Tracker disk, or from your extra Effects disk that you decompressed earlier (see Loading instructions p 15, for details on how to make up your extra Effects disk). Change the PRIORITY setting to 2. This tells Video Tracker to give this sample's graphics and effects priority over the first sample.

DATA AND ROUTINES

Some routines or effects need data files in order to work. For example, the Vector L2.rot routine is for displaying spinning vector objects, but in order for it to work, you first need to load in a vector object file. Routines such as this will take their object file from the effect slot immediately preceding them. So, if you wanted to have a spinning vector on screen, you would load a vector object file into effect slot number 10, for example, and then load in the Vector L2.rot routine into slot 11. If you happen to have the Videoscape 3D program that we gave away on the November 1992 issue of CU AMIGA now out of print and no longer available from the back issues department), you can design your own vector objects with the ROT program that was included on the disk.

Settings for samples and routines must be made for each song position. When you move to song position 1 or 2, you'll find that none of the samples are assigned to any effects. This is to give you greater freedom to keep the visuals changing from start to finish, but it also means



that if you want to repeat the patterns in a following song position, you'll need to use the copy and paste functions to duplicate them from the previous positions.

LOADING AND SAVING

There are two ways of saving out your videos. Selecting SAVE VIDEO will save out just the data for your video. In other words, it saves out the sequences that you set for all your samples and animations, but doesn't save the sounds and graphics themselves. This has the advantage of saving disk space and loading time. When it comes to loading the video back in, you'll be asked to insert any disks containing the relevant files.

SAVE VIDULE will give you an executable file, which includes all the sound and graphics data. You can then run this from a CLI or SHELL window, or make an autobooting disk and run it from a startup-sequence script.

Before you can use the SAVE VIDULE option, you first need to save out your video with the SAVE VIDEO option. Now select SAVE VIDULE, and you'll be asked for a video to load. Insert the disk with your just-saved video, and select it from the directory listing. Your video will now be re-loaded, and you'll then be asked to select a vidule to save. Put your data disk back into the internal floppy drive, and click on DF0: from the devices list. Enter a filename for your vidule (don't use any spaces or punctuation marks) and press RETURN. Your video will be saved out as an executable file. For info on how to make up an autobooting disk with a startup-sequence, consult the Amiga manual that came with your computer. **CU**

FURTHER HELP

The documentation included on the disk is very good. If there's anything that you're still unclear about, load up Workbench if you have a 1.3 Amiga, and double click the document icon. Apart from general instructions, this also gives very detailed descriptions of each of the effects and their many variations. This version of Video Tracker does not entitle the user to the support disks that come with registration of the disabled public domain demo version.



empire SOCCER



empire
STANDS OUT FROM

EMPIRE SOFTWARE, THE SPIRES, 677 HIGH P

empire SOCCER 94



THE SUPREME FOOTBALL CHALLENGE

Empire have teamed up with leading developer Graftgold, the masters of arcade excitement to create a total NEW soccer sensation!

MATCH THIS!

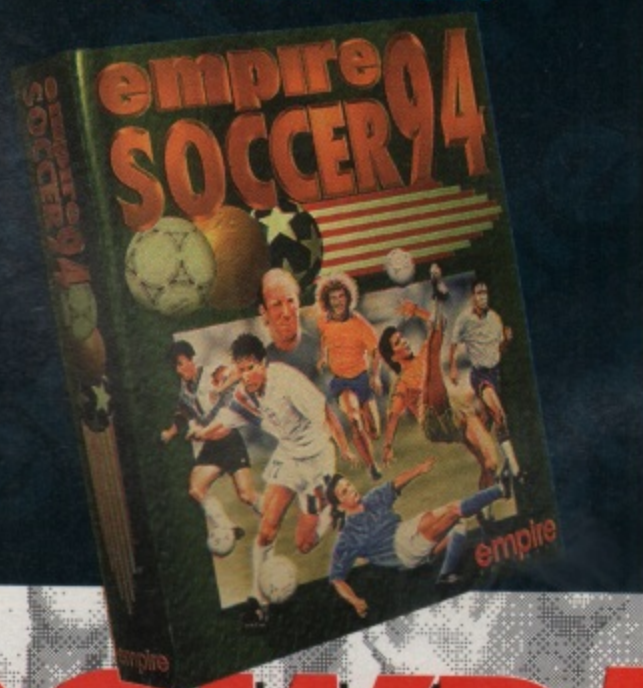
Speed burst
Power Drive - Snap shot
Banana shot
Super dribble - Super barge

Overhead kicks
Sliding tackles
Back heels
Headers - Diving headers
Passing
One/two passing
Keeper drop kicks
Trap the ball

Free kicks
Throw-ins
Special long throw
Corners
Sendings off
Penalties
Bookings
Substitutions

Action replays with special video control mode
Fully variable skill levels
Novice modes - Professional modes
Atmospheric crowd effects
Superb graphics
Leagues
Training - Exhibition
World cup Tournament and
customised tournaments
8 player competition - 32 teams
Results + full game statistics

**IF YOU ONLY EVER BUY
ONE SOCCER GAME,
BUY THE BEST!**



FROM THE CROWD!



COVERDISK 84

After Arsenal's superb win the other week, we've gone football mad in the office. This month, the super football management game *Tactical Manager* graces Coverdisk 84.

TACTICAL MANAGER

What would you say if we said we were going to give you a complete, playable demo of one of the best football management games around? How would you feel if we told you there were absolutely no options disabled whatsoever. The only catch is that after 9 Premier Division Saturdays or 11 Division One Saturdays, the demo ended, regardless of any number of friendlies or international challenges. We know that you'd be over the moon. That's why we've done it.

Of course, when you've got a game of this size, you can't really give full and complete instructions, after all, the manual is around 80 pages long! So what we'll do is take you through a brief tutorial that should outline the main points of the

game, and then you're on your own. Don't worry though, if you've played a football management sim before, you'll feel right at home with this one.

FOOTBALL CRAZY

Look at page 15 for full instructions on how to load the game. Once the game has loaded, you'll be shown the main screen, with the 'Talking Birds' logo in the middle, a menu bar along the top and news scrolling up from the bottom of the screen. Watch the news for a bit and you'll see just how much information there is in the game. To see more, click on the 'Options' menu and select 'Brief News', which will switch to 'All The News'. Now you can sit back and watch the progress of your favourite clubs.

the currently selected division appears. Single click on one, and you'll return to the main screen with that club's badge shown on it. To change divisions, click on the large square on the left of the screen that is showing the current division.

So you want to check out a team? Single click on the badge you've brought to the main screen, and a small information window will appear. Click through the options on it to see what they do, and then choose the 'Select' option. A squad list will appear, and as you move the mouse pointer down the list of players, see how the large list of statistics on the right of the screen change. With that knowledge of the game, you should be able to check out your favourite players and see just how authentic the information is.

Still, enough messing around. Once you've had a look through the menus and seen what everything does (to get back to the main menu

at any point other than when matches are being played, click with the right mouse button), it's time to choose a team. Unfortunately though, you can't just waltz in and play the team of your choice.

In the full game you have to earn management points before you can handle really big teams, so you'll have to go in at the bottom end. Go to the 'Action' menu and select 'Managers'. A list of the current managers will appear, with Fred at the top of the list. Select Fred, and three menu options will appear. Choose 'Edit' and enter your own name, and then choose 'Join'.

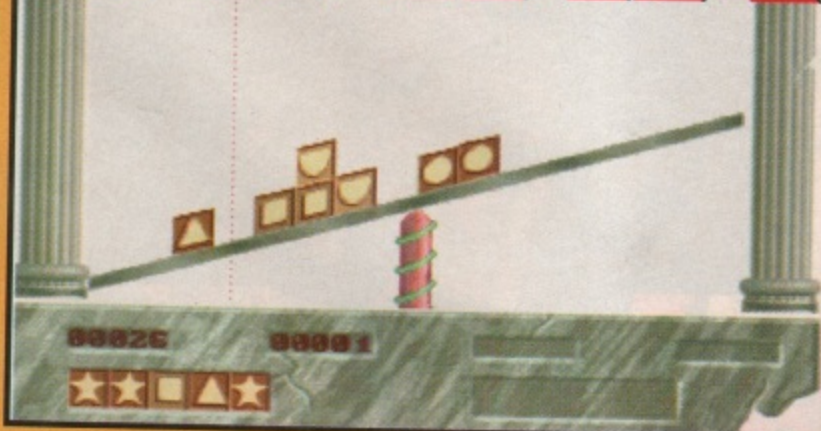
A list of all the clubs in the game will appear, and you can select any with a rating of three or lower. Once you've selected one, click with the



If you want to view any teams at this point, go to the 'Action' menu and choose 'Select Club'. A screen showing the badges of all the clubs in



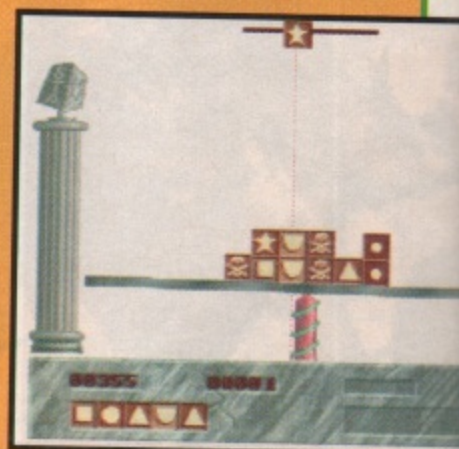
STATIX



Yes, we've even managed to cram another game demo onto this disk. If you've read the review this in issue, then you'll already know how to play this simple but extremely addictive little Columns clone.

If you don't, then here's the basic breakdown: Blocks with symbols on them appear at the top of the screen, and you have a limited time to position them before they drop onto the see-saw below. Get three in a line in any direction to remove them, and try to keep the see-saw balanced, as the moment one of the sides touches the ground, it's game over.

Don't stack the blocks any more than four high, as the see-saw drops a level under the weight, and there's no way of raising it again. Skull blocks can't be removed, so you



have to be very careful where you put them. In our demo, all you can do is head for the highest score. In the finished game there are all sorts of challenge levels to work through. Have fun now!



COVERDISK 85

Even more fantastic soccer! Play till you drop with this brilliant football game from Sierra.

SIERRA SOCCER

right mouse button and you'll be back on the main screen.

FOOTBALL MAD

Before you start moving your squad about, let's get straight into the first match of the season. Go to the 'Options' menu and make sure that the fourth item from the top reads 'Highlights'. If it doesn't, click on it a couple of times until it does. Then click on the centre circle of the pitch, in the top right corner of the screen.

All the matches of the first Saturday will be played. Wait until your team appears on screen, and your match will start. Let it run for a little while, and then hold down the left mouse button over your team's badge. The information window for your team will then appear, with the third and fourth lines reading 'Normal strategy' and 'Normal playing'. Now you can change the way your team plays.

Click with the left mouse button on each line to cycle through the options, and watch the difference it makes to your game. Choose 'Physical' from the fourth line, and watch how many of your players get booked! See if you can win your first match by finding the right strategy, and then return to the main menu after the game.

Take a look at the various tables and information under the 'Tables' menu, and you will already begin to

get some idea of who are the players to watch over the next few weeks. What you may find, however, is that your team isn't among them. Time to sort out your squad. Click with the left mouse button on your badge, and click on 'Select' to bring up the squad details, then you're ready to go.

To change players around in your squad, click on the first player to move, and then click on the position you want them to move to. To change a player's style (for players who can either be Midfield or Attack, denoted by M-A after their name) click on the MID, or ATT after their name. If you want to position players manually, click on the word 'Manual' at the bottom of the screen, and you'll be shown a visual layout of the team. Clicking on a shirt allows you to drag the player to their new position. Once you have the set-up you are happy with, click with the right mouse button to go back to the main menu.

That should give you enough of an insight as to how to win in this game. Play around with the transfer list to improve your team, and in no time at all you should see the match results improving.

The game cuts out after eleven Division One matches, and if you aren't winning by then, all I can suggest is go back to the start and try it with a better team.

Good luck!

Team Selection										
		Po.	St.	Th.	Ps.	Hd.	Sh.			
1 GK	Seamon	19	15	17	20	17	16			
2 DF	Addins	16	16	17	14	15	6			
3 DF	Le Sow	17	16	15	14	16	8			
4 DF	Holms	16	16	16	14	17	7			
5 DF	Parkha	16	17	18	15	17	10			
6 MF	Sharp	15	18	15	17	10	12			
7 MF	Gazcoin	14	11	15	11	9	20			
8 MF	Intse	18	18	19	16	9	13			
9 MF	Plot	19	18	7	18	13	14			
10 AT	Beardlee	16	10	4	20	10	18			
11 AT	Sheeroh	17	14	6	11	14	17			
12 GK	Flours	18	20	19	17	16	17			
13 GK	Morteen	17	17	16	18	16	15			
14 SW	Synten	18	17	16	13	16	7			
15 DF	Joons	16	16	16	14	17	7			
16 DF	Pierce	17	18	18	18	14	20			
17 MF	Andorkun	15	12	15	20	18	19			
18 MF	Polyster	17	18	16	15	12	14			
19 MF	Bottie	18	17	17	16	13	18			
20 MF	Le Tizzroy	18	15	4	12	18	18			
21 AT	Wrie	16	18	3	16	14	16			
22 AT	Cool	19	20	3	17	17	19			

What if football management games aren't your thing? Not to worry, CU AMIGA wouldn't want you to feel left out. Just for you we've added a third disk to this month's issue, complete with a full, playable match between England and the Republic of Ireland in *Sierra Soccer* – the game so good you'll wonder why they ever spent so much time on adventures. One or two players can partake in this one minute each way, full-on soccer explosion. Reach the end of the match in a tie, and it's into 20 seconds of extra time each way. Still tie at the end of that, and it's penalty shoot outs. This isn't the kind of demo that just gives you a minute and then cuts out. The only way out of this match is in victory.

The controls are remarkably simple for a game of this sort. The arrow above a player shows who you are controlling, and, as a rule this is always the one closest to the ball. To take possession of the ball, you simply need to walk up to it, unless an opposing player has it. When that

happens, you need to perform a sliding tackle, done by simply pressing the fire button.

The rest of the controls are just as easy. Pushing in a direction makes your player run that way, and pressing the fire button kicks the ball in the direction the player is facing.

Aftertouch can be added by keeping the fire button held down after the kick and then pressing the joystick left or right. On corner and free kicks you will see an 'arc of fire' which basically points out the direction your shot will go in. This can be moved with the joystick. On throw-ins, press and hold the fire button, then move the on-field player to the position you want him in. Releasing the fire button allows your player to throw the ball.



LAST ISSUE'S AGA ONLY GAME DEMOS...

We received quite a few phone calls about two of last month's demos, *Bubble and Squeak* and *Banshee*. These demos will only work on AGA machines (each has a logo on the label saying so, and it's also mentioned in the instructions): ie the A1200 or A4000. Users of other machines will not be able to load and play them. This will also be true of the final versions, should you want to buy them. If you have an A500, A500+, A600, A1500 or A3000 do not buy programs or magazines solely on the strength of games which are marked for AGA or A1200 only. OctaMED, on disk 80 (worth £45), the fonts and clip art on disk 81 and Bump n' Burn on disk 82 are all compatible with non AGA machines – so don't worry, your disks aren't faulty. Remember, a large proportion of new games are being programmed specifically for AGA machines, so watch out for AGA only or A1200 only when purchasing full software packages or magazines. This month's demos are universally compatible with all machines.

Oooops...

We detected an error in the loading instructions for last month's fonts and clip art. If you have been having problems with it then try the following: Follow the preview instructions as provided, but change the line which read 'MAKEDIR FONTS/COLOURFONT' to 'MAKEDIR FONTS/COLOURFONTS' – notice the extra S. This should now work. Mucho apologies.

ELFMANIA

エルファミニア

"Trouser-wettingly fantastic... This is the closest an Amiga owner is going to get to owning a high-spec arcade machine" - The C



FOR ALL AMIGAS (1 meg of memory required) **£25.99**
Renegade, C1 Metropolitan Wharf, Wapping Wall, London E1 9SS



TERRAMARQUE
The Promise Fulfilled

HOW TO LOAD YOUR CU AMIGA COVERDISKS

LOADING DISK 83



There are three versions of *Video Tracker* included on Coverdisk 83: one for Kickstart 1.3 Amigas, another for

Amigas running Kickstart 2.04 or higher, and a third for A1200 and A4000 owners, which makes use of the improved graphics capabilities of the AGA machines.

Put the disk in the internal drive and turn the Amiga on. You will be asked if you run Kickstart 1.3. If you do, enter Y and press return. If not, enter N and press return. (If you see a hand holding a blue disk when you turn on the computer without a disk in the drive, you have a 1.3 machine.) If you enter Y for yes, the 1.3 version of *Video Tracker* will be loaded automatically.

If you entered N for no, the disk will boot up to a Workbench screen. Double click the disk icon marked VT, then double click the *VideoTracker* drawer icon. If you have an A500 Plus, an A600, or any other Amiga running Kickstart 2.04 or higher, double click the icon marked *VideoTracker* to load the program. If you have an A1200 or an A4000, double click the *VideoTracker_AGA* icon.

DECOMPRESSING THE ROUTINES

In order to fit all the *Video Tracker* routines on the disk, they've all been compressed into a single file. Before you can use these routines, they have to be decompressed onto a separate disk. If you have a hard drive, and run the installer program that's on the disk, these files will automatically be expanded and copied over for you. Follow these steps to make up your Routines disk.

1. Boot your Workbench disk.
2. Format a blank disk.

DISK VIRUSES

We try to ensure that all our coverdisks are completely free of viruses. We always have the most advanced virus checkers available when the disk is compiled and every program goes through rigorous testing on all relevant Amigas. However, we can not accept any responsibility for possible damage incurred by viruses which have escaped our attention.

3. Replace the Workbench disk, double click on the Workbench disk icon, then double click the CLI or SHELL icon.
4. Type the following, pressing RETURN after each line:
resident c:copy
resident c:dir
resident c:list
5. Replace Coverdisk 83 into df0:
6. Type the following, pressing RETURN after each line (df0: is entered with a zero, not the letter O):
cd df0:
copy archived.lha to ram:
cd df0:c
lha x ram:archived.lha ram:
7. Replace the Workbench disk when prompted, then wait for the disk activity to finish.
8. Put your blank disk in the internal drive.
9. If you are using any Amiga other than an A1200 or an A4000, enter the following, pressing RETURN after each line:
cd ram:
copy routine to df0:
10. A1200 and A4000 users enter the following, pressing RETURN after each line:
cd ram:
copy routineaga to df0:
11. You now can load these routines into the *Video Tracker* program.

NOTE FOR HARD DRIVE USERS:

A slight amendment to your startup-sequence needs to be made once you've installed *Video Tracker* on your hard drive. Edit the startup

sequence by entering:

ed s/startup-sequence {return}
Move down to where the lines read "Assign >NIL: etc...", enter the following and press return:
assign >nil: VT: drivename:
Change drivename to the name of the hard drive partition where you've installed the *Video Tracker* program.

SOUND SAMPLES

Both disks 84 and 85 contain sound samples for *OctaMED* and other music programs. Disk 85 has nearly 300K of samples, plus a super tune. This can be loaded into *OctaMED* 4 or previous versions of *OctaMED*. It can also be loaded into *OctaMED* 5, but you'll need to load the samples in manually. Disk 84 also contains a few samples, once again in a directory called Samples.



LOADING DISK 84

You've seen the instructions, so now you want to know how to load *Tactical Manager*.

Before you can, you'll need two blank, formatted floppy disks, as we've had to compress the data to get it to fit – this is a huge demo!

1. WRITE PROTECT YOUR DISK! You'll be doing a lot of disk swapping, so move the small black tab in the corner of your disk up so that the hole is open. This ensures that you don't accidentally write over your coverdisk.
2. Insert Coverdisk 84 into the internal drive of your machine, and switch on your Amiga.
3. When Workbench loads, double click on the CU#84 disk icon, and then double click on the Tac1 icon.
4. Follow the on-screen instructions, swapping the coverdisk for one of your blank disks when prompted. The blank disk must be write enabled (with the hole closed). This

is your program disk.

5. Repeat steps three and four, this time selecting the Tac2 icon, and insert the other of your blank disks. This is your data disk.

6. To load *Tactical Manager*, reset your machine and insert the program disk. After a while a screen will appear asking you for your data disk. Swop disks, and away you go!

7. To load *Statix*, switch off your machine and insert the Coverdisk 84 disk. Switch the machine on and wait for Workbench to load.

8. Double click on the CU#84 icon, and again on the *Statix* icon when it appears. The program will load and run automatically.



LOADING DISK 85

Make sure disk 85 is write enabled (with the hole covered by the tab), and insert the disk

into the internal drive of your Amiga. Switch your Amiga on and wait; before you know it, you'll be shown the intro screen for *Sierra Soccer*. Make your game selections from the menu, press fire to play and enjoy!

IF YOUR DISK WON'T LOAD

If your coverdisk doesn't seem to work as it should, then follow this simple guide. Firstly, remove all unnecessary peripherals, such as printers, modems etc. Follow the instructions on these pages to the letter, and if, after that, you find that the disk still doesn't work, call the DiskXpress helpline on: 0451 861131 between the hours of 3pm and 5pm from Monday to Friday. If they advise you that the disk is faulty, fill in your details below, and send this form, along with the disk and a 28p stamped self-addressed envelope to the following address:

CU AMIGA disk returns, DiskXpress, Unit 3, Old Coalyard Farm, Northleach, Gloucestershire GL54 3EP.

Name: _____

Address: _____

Type of Amiga owned: _____

Disk number: _____

Describe exactly what happens when you try to load the disk? _____

FAST AMIGA REPAIRS

FOR QUICK QUALITY WORK DONE AT COMPETITIVE PRICES

Upgrades + Engineering requirements

★ NORMAL SERVICE

£24.99 + parts
Free Quote

★ GUARANTEED SAME DAY SERVICE

+£10.00
computers received by
12.00 mid-day

also Monitors repaired

Door to door pick up + delivery anywhere in the U.K.
or see us at our workshop in Central London

Central
London

FAST COMPUTER SERVICES

144, Tanner St., Tower Bridge, London SE1 2HG

Tel. 071-252 3553

REPAIRS DONE ON THE
FULL AMIGA RANGE
* including A600+A1200

Low Cost upgrading

1/2 MB A500	£17.50
1MB A500+	£29.99
Hard Drives	P.O.A.
Internal Drives	£49.00

*SPARES AVAILABLE

Can YOU win the World Cup?

THE DESIGNERS OF THE WORLD'S LARGEST & MOST SUCCESSFUL
SOCCER PLAY-BY-MAIL GAME PRESENT THE COMPUTER VERSION OF



SOCCER STAR WORLD CUP Edition



THE ULTIMATE WORLD CUP SIMULATION

PLAY THE WORLD CUP COMPETITION

Fully correct player details from every competing country. Play in a world league or create your own player / sides to play in which ever tournament you like. With full editing facility!

FULL MATCH ARCADE SECTION

boasting player after-touch, superb responsive player control, huge positional / tactical possibilities available right down to your subs! EVERY player from EVERY team is different with all skill ratings shown!

EVERY SIDE CAN BE HUMAN OR COMPUTER CONTROLLED!

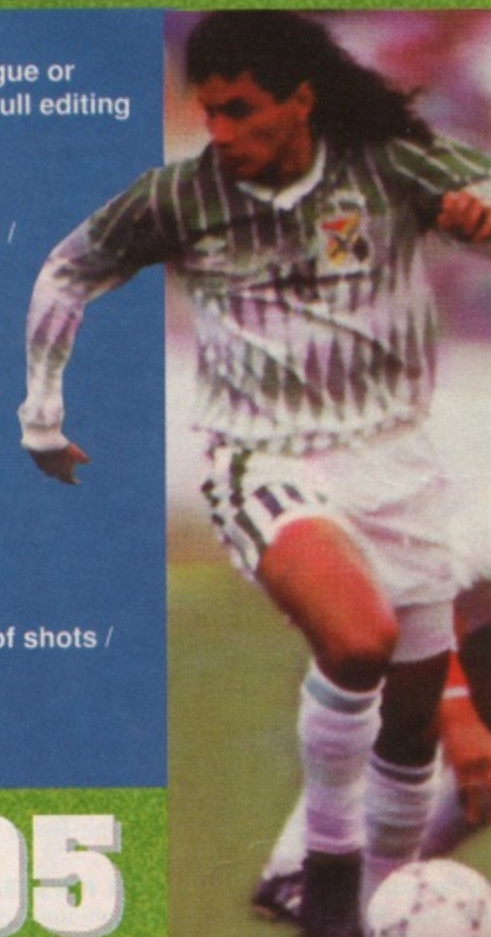
Full match statistics giving massive detail from play percentage down to how many good or bad passes a particular player has made.

EXPERIENCE ALL THE THRILLS OF WORLD COMPETITION!

EXTRA-TIME, PENALTY SHOOT-OUTS ALL CATERED FOR.

ALL RESULTS SHOWN IN DETAIL.

in the most versatile and comprehensive game of its kind!!! (with vast range of shots / crosses / set pieces / player control)



SPECIAL OFFER

DISCOUNT
PRICE OF

£24.95

APPLICABLE ONLY WHEN REPLYING VIA THIS ADVERT!

FREE

MEMBERSHIP TO
SOCCERSTAR PBM
(Worth £5)

SOCCER STAR WORLD CUP Edition

AVAILABLE FOR:

AMIGA 500, 500+, 600, 1200

PLEASE STATE MODEL WHEN ORDERING!

Name

Address

Postcode Computer Model

Daytime Phone No.

I enclose cheque/P.O to the value of £24.95 MADE PAYABLE TO
SOCCERSTAR (Name & address on back of cheque please).

I wish to pay by Access/Visa. My number is

□□□□□□□□□□□□□□□□

Signature Exp date

Send to: SOCCERSTAR, 9 Trent Drive, Hucknall, Nottingham NG15 6GR



24 HOUR CREDIT CARD HOTLINE: (0602) 642188



MAIL ORDER FORM

MAIL ORDER FORM

CU

NEWS

FANCY A JOB?

If you would like a job using and supporting Amiga applications and know your stuff, then contact Meridian Distribution (tel: 081 543 3500). One of the UK's leading serious Amiga software suppliers, Meridian is looking for a dedicated and knowledgeable Amiga user to support their customers.

COMMODORE
-THE FACTS!

It's been a hectic month for Commodore. Reports circulated that Commodore France had gone into receivership, then even more reports surfaced, to the affect that one of a dozen companies (ranging from the unbelievable to the very possible) would be buying them, and finally, that Commodore had been liquidated! In reality of course, things were very different – but this didn't stop the rumour mongers going overboard.

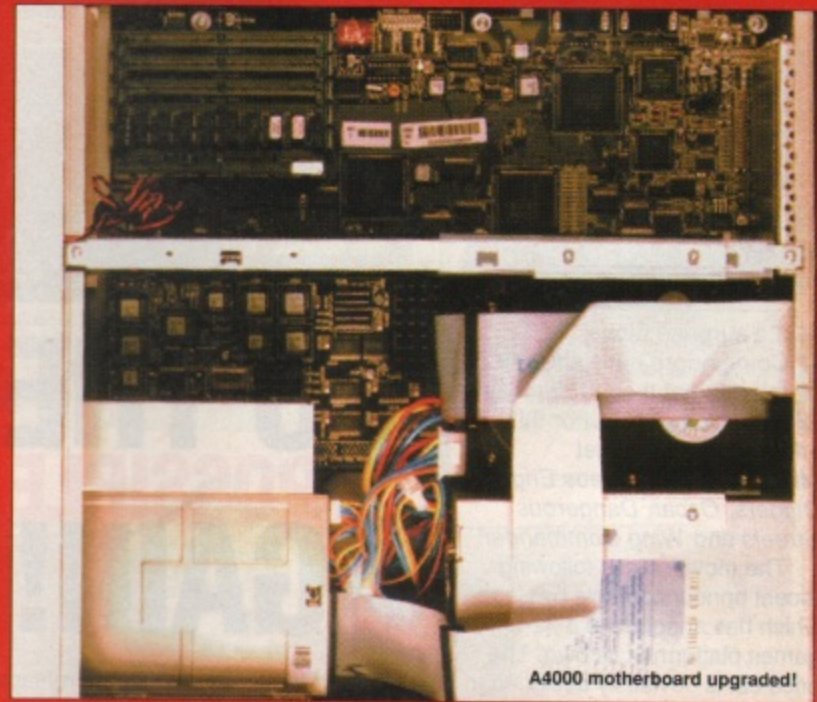
Firstly, as part of their on-going consolidation process, Commodore France was closed. This was done because Commodore is restructuring its various operations and reducing overheads. As the operations in France were effectively being duplicated by those in other countries, Commodore closed their French arm and are now running their Gallic operations from Germany etc. Secondly, Commodore International Limited (the parent company of the UK operation) sought protection of the courts in Bahamas (where they are registered) which is similar to Chapter 11 in the USA. This does NOT mean Commodore have closed down, are in receivership or have folded. What it means is that they are continuing to trade with protection of the courts while they try sort out their financial affairs and problems, possibly by linking with another company who can bring much needed investment to their depleted vaults. It is worth noting that many companies recover from such situations – Commodore's previous on-site repair company, Wang, for instance. And throughout the process Wang continued to operate in the UK!

Thirdly, negotiations are proceeding with a potential investor. David Pleasance told CU AMIGA that there is an organisation very interested, that an announcement would be made, hopefully, in the next few weeks, and if it went ahead this buyer would be keeping the Amiga on sale and supported in Europe. One of the reasons they have sought the protection of the courts is to allow these, "active discussions regarding investment and re-organisation" to be sorted out.

Mr Pleasance also told CU AMIGA that as far as he was concerned Commodore UK would continue as normal with all models of Amigas continuing to be sold and fully supported. It is also believed that Germany, Scandinavia, Italy and Canada would also all continue.

CU AMIGA spoke to many of the UK and the world's largest Amiga developers, dealers and distributors and they all remained very positive about the future. SDL, the UK's largest supplier of Amigas to dealers, said, "We believe there is a bright future for the Amiga, no matter what, and will continue to support it and independent Amiga dealers."

In short, while Commodore parent's company are having problems at present, the future is still bright and the Amiga in whatever form is likely to continue being sold and supported.



A4000 motherboard upgraded!

A4000
UPGRADES

Commodore have updated the A4000 mother board, although no official announcement has been made. The changes include the 68030/40 moving from the daughter board to the main board, and the ChipRam now being soldered onto the mother board.

Previously, the CPU (Central Processor Unit, ie the 68030 or 040) was held on a daughter board. Commodore's original plans were to announce replacement daughter boards that would hold more powerful CPUs. This would give A4000

users an easy processor upgrade path. In reality, no further daughter boards have been announced, and Commodore have moved the CPU onto the motherboard, although a daughter board socket is still present.

Although no reasons were given, it is likely the changes are part of Commodore's continued drive to cut costs. By including the CPU and ChipRam on the motherboard Commodore don't need to produce daughter boards for each A4000, thus saving them money. Commodore are on 0628 770088.

PHILIPS
DANCES
WITH
ORION

More FMV magic to come

Philips Media, distributors of FMV movies, have signed up another major studio to bring further blockbusters to VideoCD platforms, including the CD32 with its FMV module.

Philips have tied up Orion films to bring blockbusters such as *Silence of the Lambs*, *Dances With Wolves*, *Robocop*, *Mermaids*, *Bill and Ted's Bogus Journey*, *Married to the Mob* and *Mississippi Burning* out on 5" CD disc.

The deal will see 10 titles released at first, and negotiations are currently in progress to sort out when these will appear in the UK and Europe.

Herb Dorfman, Senior Vice President of Orion Home Video, said: "The high quality video combined with Compact Disc audio is an awesome combination and the ultimate in quality for the home viewing of prerecorded movies."

The Orion films will join existing blockbuster films on the VideoCD format already available from Paramount and MGM/UA, such as *Patriot Games*, *The Hunt for Red October*, *Star Trek IV*, and *Naked Gun Two And Half*.

For further information on the new CD films you can contact Philips on tel: 081-781 8457.

» COMMODORE CUTS PRICE OF CD32



In a surprise move Commodore have slashed the price of the CD32 to just £249 including VAT! For this price, you will now get *Microcosm*, *The Chaos Engine*, *Diggers*, *Oscar*, *Dangerous Streets* and *Wing Commander!*

The move comes following recent announcements by Sega, which has announced a 32-bit games platform of its own. The price cut is obviously designed to preempt Sega's launch and keep Commodore ahead in the 32-bit console market – making it even more difficult for the Far Eastern console giant to compete with Commodore's now market leading system.

The new price also makes the CD32 the lowest priced system available for watching VideoCDs. Commodore are on 0628 770088.

APOLOGIES TO...

First to Softwood Products Europe, in our May issue we reviewed the amazing *Final Writer*, (an absolute stunner of a program says Andy Leaning!) unfortunately, a mistake crept in and we inadvertently said that this product would only work on A1200s. It will of course run on any Amiga that has Workbench 2.0 and above, 2Mb of RAM and a hard drive.

We'd also like to point out that when fully installed *Final Writer* eats up 9.5Mb of hard drive space, this being for a complete installation. A minimum installation however will only require 2.5Mb of space.

For users who purchased early versions of *Final Writer* (prior to release 2) you can get the new version FREE, Softwood Products Europe do however require £2.95 for administration and postage. For users who purchased *Final Writer* before March 1st, there is an upgrade cost of £7.95 including post etc. Either way, it's worth having!

Secondly, apologies to Gordon Harwood Computers for accidentally stating that the Blizzard 1230-II has a SCSI-II port built-in. It doesn't, this feature is purely optional. The Blizzard A1230-II will have a price point of £89.95 including VAT and delivery.

Sincere apologies to both companies for these mistakes.

FRONTIER 2!

David Braben is currently beavering away on a sequel to *Frontier – Elite 2*, aiming for release towards the end of this year. Going under the unassuming title of *The First Encounters*, the product will be a complete, stand alone game – not an update disk as was originally intended. Using the same game engine as *Frontier*, the game is set a few hundred years before the original, and will give the player an insight into how the Federation was formed. We'll have more information very soon.



DO THE IMPOSSIBLE AGAIN!

MicroProse are about to release the follow up to that amazing 8-bit platform game, *Impossible Mission* – the game that launched a thousand others, including games like *Flashback*. Anyone who ever owned a Commodore 64 will tremble with excitement at the thought of a souped-up rendition of this fabulous game, and judging by these screen-



shots, they are fully within their rights to get excited. The new version sticks fairly closely in content to the original, but adds things like scrolling, three different characters to play plus a pixel perfect copy of the original game, if you fancy making the comparison. We'll have a full review next issue.

POWER UP WITH A DISK DRIVE!

Power Computing are planning to release a new low-cost Amiga disk drive. The new drive which should be available in June will feature anti-click technology. (Power Computing invented anti-click disk drives – a mechanism which stops the disk drive constantly clicking.)

At the time of going to press no prices were available but it is known that the drive will compete with many of the lower cost disk drives available, probably around £49.

Power are on 0234 273000.

SEALED UP

Commodore (UK) has introduced an official Seal of Approval for Amiga peripherals and software. Commodore claim that any product that passes their "rigorous tests in Commodore's US and UK offices" will be a guarantee of quality.

David Pleasance, Commodore UK's joint-managing director, said: "We want to give users reassurance when they invest in a machine. The Seal of Approval will provide that reassurance."

Several leading peripheral developers have already applied for the Seal of Approval, with Power Computing expected to get it for their scanners, disk drives and RAM cards.

Some industry observers however questioned the value of the Seal of Approval, querying whether it would be worth the added cost, citing magazine awards, the CU AMIGA Technical Excellence award for example, as possibly more cost effective.

Power Computing are on 0234 273000, Commodore can be contacted by calling 0628 770088.

FREE SHOW TICKETS FOR SPOTLIGHT 1994

A show dedicated to the Amiga and Atari ST will be held on 28th and 29th of May, 1994, at the Novotel Hotel Hammersmith.

This will be the second SPOTLIGHT show, the first was held last year and received an enthusiastic reception.

Dubbed 'the thinking Amiga users show' it has been organised by a group of manufacturers, distributors and dealers to cater for all users. In particular, it aims to support users interested in productivity applications rather than games. There will be a range of products from third-party developers, both new and old, on display. The products will include scanners, monitors, disk drives, applications, and development tools. The show will also provide visitors with a unique opportunity to see new hardware and software, watch demonstrations of different configurations, and ask experts from the many of the leading Amiga developers any questions you may have.

CU AMIGA should be there in force, alongside Power Computing, Golden Image, Meridian Software, Gasteiner, First Computer Centre, Hisoft and many more.

The doors will open at 10am on both days, with tickets costing £5.00 on the door, or £3.50 for advance bookings. To help get the show off to a good start CU AMIGA have arranged with Gasteiner to give away free tickets to the first 500 CU AMIGA readers who call 081-345 6573 and ask for their free CU AMIGA ticket. If you are too late for a free ticket, call the above number and book your ticket in advance.

FASTER BBS

Global information network Compuserve has introduced high speed 14,000 baud modem links for the UK. The new modems will allow Compuserve users to access the information and files on Compuserve much faster than they previously could.

Compuserve has 1.8 million members worldwide, and 45,000 users in the UK alone. For further information on CompuServe call 0800 289378.

KEEP TAKING THE TABLETS

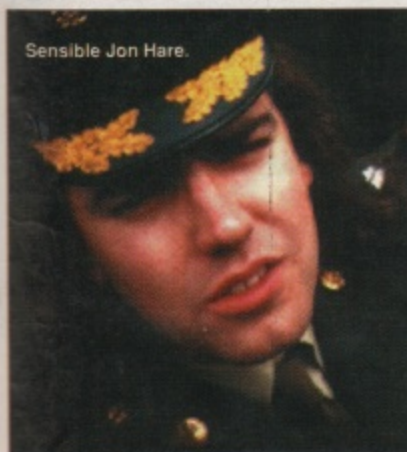
The boys and girls at First Computer Centre have released Tabby - a compact low cost graphics tablet for the Amiga. The tablet has a price of £49.99, which includes tablet and Amiga driving software, and runs under Workbench 2.04 or higher.

The driver software was written by Nik Lines of First Computer Centre and includes on-line Amiga guide documentation, hotkeys and definition of the tablets active area.

CU AMIGA will be reviewing Tabby next month. In the meantime you can find out more about Tabby by calling First Computer Centre on 0532 391444.

NO CHEAP FODDER UNTIL 95

Some readers found the recent story on The Hit Squad's batch of Virgin releases a little misleading concerning the release date for Sensible's *Cannon Fodder*. Virgin Interactive Entertainment would like to point out that *Cannon Fodder*, although it has been signed to The Hit Squad, will not be released until January 1995, giving it at least 12 months as a full-price game.



Sensible Jon Hare.

VIRGIN GREENS



Sensible Golf is on the way, and by crikey it looks good! Due for release in November, the Sensible team have abandoned the more traditional view of golf games in favour of their tried and tested, top view with small characters system. "Instead of having a boring landscaped 3D view or recreating *Leaderboard* for the 35th time, we decided to take our totally original *Mega-Lo-Mania*, *Sensible Soccer* and *Cannon Fodder* style and apply it to golf," says Sensible chief, Jon Hare. "There are these four guys walking around the courses, and they each have their own charm and personality. To appease the style-over-content consumers, we have decided to introduce a liberal sprinkling of big snazzy graphics such as oversized pictures of each bloke as he takes his shot."

The game looks like it's going to be very original indeed, with some striking new ideas built in. For example, as you play through the tournaments, you can earn money which is spent on better equipment, such as laser guided balls and rocket powered clubs! We'll have more news when we get it.

VIRTUAL REALITY

An interesting development appeared courtesy of ICE during the ECTS. An American company, VictorMaxx Technologies, displayed a virtual reality system that will eventually work on the Amiga. "What's so great about that?" you might say, "I don't want one of those two ton headsets lying around my living room!" Well fear not, it's an extremely compact system, consisting of a set of stereo headphones over your ears and the smallest possible pair of television screens mounted just in front of your eyes. Picture, if you will, a bum bag strapped over your eyes with the tv screens in the bag part and two small headphones on each of the straps. Now you've got it.

The version we saw was running on the PC with a specially developed landscape program and a copy of *Doom*. *Doom* was impressive (it always is) but it's still basically a 2D game designed for a regular screen and you also needed to control it with the keyboard, but this last point will be remedied soon. On the other hand, the 3D landscape was stunning. The brilliant thing about this mini VR headset is that it works in exactly the same way as its two ton arcade ancestor. When you move your head right or left, up or down, or even sideways, sensors pick up the movement and the view changes accordingly. The only part you need a joystick or keyboard for is physically moving in a given direction or, of course, shooting something.

The PC version we saw had stereoscopic vision. Unfortunately, when the Amiga adaptor becomes available it will only allow monoscopic vision, but don't worry you're not alone here: the Nintendo, Sega, and Jaguar adaptors will only allow a monoscopic view too.

Needless to say most games will not have been programmed with the headset in mind, but VictorMaxx assure us that this will only involve minor tweaking to overcome.

ICE, who will distribute the system in the UK for VictorMaxx, are very confident of its appeal. Due for launch during the summer (if everything goes according to plan), it should be priced around the £500 mark. Watch this space for more news.



'A bum bag with headphones' - but a very good one!

A4000 ACCELERATES

If you're the proud owner of an A4000 you've probably been reading the recent reviews of A1200 accelerators with some envy. Some of the latest A1200 upgrades can make Commodore's entry level AGA machine surpass even the A4000 in processing speed.

If you're one of these people (are you reading this John?), Blittersoft have the product for you. Called X-Calibur the Blittersoft A4000/40 upgrade is reportedly four times faster than the a normal A4000/040. According to Blittersoft, the card employs innovative memory design which is better than Commodore's original, producing an improvement over normal memory access by 400% (at 25MHz).

Additional plug-in upgrade processors are available, boosting the performance still further. Initially, a 33MHz will be available to compliment the standard 25MHz model, although Blittersoft hope to introduce 40MHz 68040 shortly, and a 68060 processor version when it ships.

The upgrade is a piggy-back board which doesn't use up a Zorro slot, and apparently there are virtually no incompatibility problems. The 25MHz version of X-Calibur has a price of £499.95 and should be available by the time you read this. Blittersoft are available on 0908 220196. We will hopefully have a full review of the X-Calibur next month.



» LEANING OVER THE EDGE!



Welcome to a new column, hosted by our techie supremo Andy Leaning. Here, every month, Andy checks out the possible new Amiga technologies that we may, or may not, see in future.

News reaches my finely tuned ears this month of a stunning new peripheral now in development. The Vinyl Drive combines the latest technology combined with tried and tested vinyl storage technology to give a very low cost, high capacity medium capable of the storage and playback of full motion video and stereo sound.

Powered by an a VLSI chip codenamed RADE (Retrieval And Decompression Engine), it is reported that this can pull data off the storage medium at rates faster than 8.75Mb per second, and decompress them on the fly. The RADE chip employs state-of-the-art analog-to-digital converters, with a 1Mb look-ahead on-board buffer, and dedicated

JPEG/MPEG decompression chipset. A secondary DSP chip provides sound reproduction at frequencies of 44.8kHz – just higher than CD audio at 44.1kHz.

Beta test systems are already with developers who are working to produce games and other interactive products to take advantage of it. Millennium, of *James Pond 4* fame, are already working on the first interactive vinyl games and no doubt many others will get in on the turntable soon.

By combining production lines already in place to produce the mechanics of the vinyl drive, with state-of-the-art digital and micro-processor technology the unnamed manufacturer can produce the drives for as little as 15,000 yen (translating to a UK price of £90)! Even better, by using a low cost Vinyl based medium the actual films and pop albums will retail for under £10!

And best of all, the Vinyl drive will play all existing vinyl albums and records, at either 78 or 45 rpm – dig out those Beatles albums now.

ECTS ROUNDUP

ects The ECTS was a veritable hotbed of games software for the Amiga, although disappointingly, almost everything we saw has already been reviewed or previewed. Yes, we know we're hot and fast and everything, but you still want to have some surprises at the show. Biggest promotion of the weekend has to be Ocean's *Inferno*, which had a whole stand to itself, constantly packed with people wanting to take a look at the PC CD-ROM extravaganza.

Team 17 were inviting all and sundry into their back rooms to see what the future holds in store. The two most interesting screens on their stands were running the long awaited *Arcade Pool*, and interestingly enough, *Superstardust* from Bloodhouse. Quite why Bloodhouse have moved from Daze on this one is unclear, but both parties seem happy with the product move.

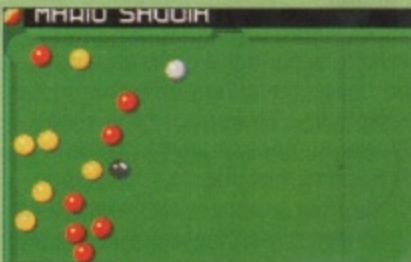
Speaking of Daze, both *Robinson's Requiem* and *Ishar 3* were on view for all to see, and Silmarils boss Louis Marie didn't leave the meeting rooms once! Both games are looking wonderful, even if the PCs they were running on did crash repeatedly! Just around the corner were Kompart and Black Legend, displaying *Demomaniac*, the product that everyone seems to want, *Tactical Manager* – as seen on this month's coverdisk, and *Turbo Trax* from Arcane. Steve Iles of Arcane was as proud as ever, but we're still not going to pass comment until we see it moving, Steve!

MicroProse had their usual enormous stand, displaying a wide range of PC and

console product, plus *Gunship 2000* CD32 and *Impossible Mission 2025*, the 32-bit update of the game that launched a thousand others. We'll have a full review of *IM* soon. Another enormous stand holder was Virgin – they had three in fact – and it was the large tin box on the ground floor that was attracting all the attention. Admittedly, a lot was in the PC sector, but that didn't stop names like *Sensible Golf*, *Crash Dummies* and *Lost Eden* raising Amiga eyebrows (for different reasons).

Mindscape had a large comfortable suite, along with a poor person wandering around the show in a Pierre Le Chef costume, to celebrate the release of *Out To Lunch* soon. Not quite so comfortable, but hectic and busy all the way through the show were Millennium, with *James Pond 3* (see our review on page 64) and their next big hit, *Pinkie*. Oddly enough, they didn't have any stuffed costumes, not even their old faithful *Pond* one. As a footnote, it's worth pointing out the promotional costumes that didn't quite come up to the mark (and there were a few), such as the Snowman who was wandering around with a two inch gap where his neck should have been, or Nintendo's Kirby character, who was seen having a terrible time actually trying to get up the stairs into the show. His costume was about two feet too wide!

There were plenty of old favourites to be found at the show too, such as *Cyberspace* and *Dreamweb* from Empire, *Nick Faldo* from Grand Slam, numerous *Dizzy* games from Codemasters, and even *Simon The Sorcerer* CD made an appearance. A good time was had by all.



DEVELOPMENT & ANIMATION

ects Another product creating massive interest at the ECTS was DPS's Personal Animator Card, or PAR for short. This astonishing card was plugged into an A4000, recording and playing back full motion, full screen video – but it wasn't using MPEG or VideoCD compression standards. Instead, it was compressing the video in real time using a variant of the JPEG compression technology and then storing the images to a hard drive. It provides component video and S-Video in and out and will store the images on high capacity hard drives. CU AMIGA will be reviewing this exciting Amiga card next month.

Elsewhere around the show Amigas in various guises could be found. Long time Commodore trade distributor SDL was drawing crowds with the CD32 and FMV card showing various films and pop VideoCDs whilst Empire software were showing their recently launched *Hanna Barbera Animation Workshop*. Psygnosis were showing a CD32 being used to demonstrate a new development system called 'PSY-Q'.

In addition to the various organisations with stands there were also a great many serious Amiga developers wondering around, usually hovering near the bar. These included Almathera, Hisoft, Power and Amitek.

Considering that this show was essentially dedicated to games, the large number of serious Amiga developers and users around was surely a good sign for the Amiga in the future.

MORE BIG BUDGET SIGNINGS

The Hit Squad aren't the only company signing up big games at the moment. Action 16, the budget arm of Digital Integration have recently taken on board the wonderful RPG *Worlds Of Legend* from Mindscape, which, if you remember, received a mammoth 90% in CU AMIGA, and the Accolade golfing classic *Jack Nicklaus Unlimited Golf & Course Design*. Both should be available soon, costing a meagre £16.99 each



STAR CUTS PRICES

Star Micronics has reduced the RRP's for all its dot matrix, laser and colour thermal printers, in some cases by as much as twenty five percent. The new prices see the popular LC-100 fall from £199 to £149, and the LC24-100 drop from £209 to £159.

For further information on the range of printers from Star Micronics contact 0494 471111

COMMODORE SHIPS ITS WARES

ECTS is primarily aimed at the games playing market, something particularly obvious with the number of Amiga games on display at the show. But even so there were, scattered around, several companies using the Amiga for other purposes.

The most notable of these was, not surprisingly, Commodore. The Big C didn't just have a stand, they had a whole suite to themselves, in which they were showing off their wares. All the existing Amiga models, plus several new products, were on display. These included the new CD-ROM drive for the A1200 (as exclusively revealed in last month's CU AMIGA) and the new A4000 tower system. The tower system was shown sampling sound and graphics linked up to a high speed SCSI hard drive.

The Commodore suite was also used by several prominent Amiga developers to show off their new products, these included RAMIGA, PREMIER Vision, and other people from Commodore's ACE initiative. The products on display ranged from very large, very fast SCSI based hard drives and optical drives to the acclaimed Video Toaster running on UK systems via a PAL convertor.



THE SPECTACULAR
BEST SELLING MULTI-HELICOPTER
GUNSHIP SIMULATION

TAKES OFF ON THE AMIGA CD32

GUNSHIP 2000

MICRO PROSE

S I M U L A T I O N

All the thrills. All the excitement. All the helicopters you could ever want

Gunship 2000: Available now for Commodore Amiga, A1200 and CD32

PCGAMES

DISK 1 Tested for ALL known viruses!

Requires
256-colour VGA,
2Mb of RAM and
DOS 5.0; 486 PC
and joystick
recommended

EXCLUSIVE!

TIE Fighter



Feel the power of the Dark Side of the Force in this fully-playable complete mission from LucasArts' eagerly-awaited sequel to X-Wing!

Not content with creating the finest games mag ever, we've also bolted two high-density disks onto the cover bearing three of the finest demos EVER!

- Fly for the Empire in a complete playable mission from LucasArts' fab TIE FIGHTER, stunning Star Wars sequel to the classic X-Wing!
- Find the Ro'Geld of Midgard in our fully-playable HEIMDALL 2 demo, and you could WIN a multimedia 486 PC worth over £1500!
- Discover what happens if you cross-breed the Lemmings with Sim City in our playable demo of THE SETTLERS!

DISKS!

PCGAMES

DISK 2 Tested for ALL known viruses!

Requires mouse,
256-colour VGA,
and DOS 5.0;
386 PC
recommended

EXCLUSIVE!

Heimdall 2 The Settlers



Requires 2Mb RAM



Requires 4Mb RAM

Play this slice of Core Design's fab arcade adventure and WIN a multimedia 486 PC worth over £1500!

Is Blue Byte's latest the cutest God game ever? Find out for yourself in this fully-playable demo!

WHAT YOU'LL FIND IN THE FIRST ISSUE OF PC GAMES!

- A whole bundle of **EXCLUSIVES**, including top-secret, hush-hush, mum's-the-word previews of BioForge from Origin, Desert Strike from Gremlin and Battledrome from Dynamix!
- Over 40 — yes, FORTY! — hot games reviewed, including the **FIRST** review of Origin's Pacific Strike!
- Complete solutions of Gabriel Knight and Police Quest: Open Season, plus comprehensive playguides for Lilit Devil and Sim City 2000!
- Loads of other really good stuff!
- And more besides!

First issue
on-sale now!
Price 'only'
£3.95.

PCGAMES

If you play games on your PC, you've got to read PC GAMES!

3 INCREDIBLE DEMOS!
TIE Fighter!
Heimdall 2!
The Settlers!
Are we good to you or what?

£3.95
June/July 1994
Printed in the UK **1**

NO DISK? ASK YOUR NEWSAGENT!

PLAY & WIN!
PLAY our Heimdall 2 demo and WIN a multimedia 486 PC worth over £1500!

EXCLUSIVE!
BIG GUNS!
We take the wraps off Origin's most innovative game ever — the amazing BioForge! Read all about it in our EXCLUSIVE in-depth preview!

REVIEWED! Over 40 games, including MegaRace, Genesis, Myst, Pagan, Ultima VIII, Cannon Fodder, RavenLoft and Fleet Defender. **PLUS!** First review of PACIFIC STRIKE!

PREVIEWED! Battledrome, Desert Strike, World Cup 1994 and TIE Fighter exposed and ready for your perusal!

TIPPED! Complete solutions to Gabriel Knight and Police Quest IV, plus Sim City 2000 and Lilit Devil playguides!

AN AWARDING EXPERIENCE



Danielle Woodyatt and friends with Virgin's award for software publisher of the year.

Every year at the ECTS the giants (and the not-so-big) of the games and publishing industry get together and give each other awards. This year, the ceremony was held in grand style at the London Regent's Hotel on the first night of the three day show. Hosted by Radio 1 DJ Mark Goodier with guest appearances from Dominic Diamond and Mike Edwards from Jesus Jones, the 18 categories were voted on by a panel of editors from games magazines around the world, along with readers from certain regions. The full Amiga roll of honour is:

Most Original Game: SYNDICATE

Software Publisher Of The Year: VIRGIN

BBC Live And Kicking Award: FRONTIER - ELITE 2

The other 15 categories were predominantly PC and console based, with Lucas Arts scooping three awards for *Rebel Assault* and *X-Wing*.

TOAST OF THE SHOW



It was on the Newtek stand that perhaps the most exciting news of the entire show could be found. Newtek are currently in negotiation with several trade distributors to establish an official network of UK dealers for the Video Toaster and we should see the first Newtek supported Toaster and PAL converters available by mid summer. At the time of going to press SDL are hotly tipped to be Newtek's official UK distributor. The PAL converter was a £6000 Prime Image system, and it converted the NTSC signal the Toaster produces to an UK PAL signal wonderfully. According to Newtek they are now working on a real PAL Toaster, and although not definite yet, they hope to have versions ready 'sometime' next year.

Newtek are also evaluating the potential for releasing LightWave as a stand alone application and selling it to games developers. One of the reasons Newtek have at last decided to move into the PAL market is the new generation of games consoles now appearing. Modern games are no longer about tiny sprites and poor animations, but more often 24-bit graphics, 3D backdrops and rendered images - *Rise of the Robots*, *Microcosm* et al. To create such graphics software developers need hefty graphics workstations. Unless of course they happen to have a Toaster! The advantages in speed and intuitive user interface on display were enough to convince many graphic artists that they should spend their money on a Commodore-based system, and that was before they found out how much cheaper an Amiga system was compared to Silicon Graphics etc. It's ironic but Commodore is at last making a name for itself and doing so by helping games developers on other platforms!

COMMODORE WRITES



Reactions to last month's European Computer Trade Show appear to be a peculiarly mixed bag. On the one hand the organisers tell me it was the biggest ever with around 7,000 visitors through the doors. But then again quite a few delegates bemoaned the lack of good new software ideas.

I found it a refreshing occasion, if an exhausting one. It was Commodore's first appearance at this important trade show in quite a few years. That was my decision - I believe it's crucial for us to be available to the trade, whether it's publishers or retailers. Good communications has been the foundation of the Amiga's success. I want to keep it that way.

Well, I'm pleased to say that ECTS marked the beginning of some exciting new relationships - at least seven new publishers have committed to developing for Amiga CD32.

They obviously noticed that the machine now accounts for more than half the CD software sold in the UK.

Those I can talk about include SCI who are working on *Cyberwar* (a game in the vein of *Lawnmower Man*), Maxis who will convert *Sim City 2000* and may put compilations of their back catalogue out on CD and

Empire who are putting *Empire Soccer* out in about six weeks.

CU AMIGA readers will be aware of the fact that Mirage's *Rise of the Robots* will be a CD32 title when it is launched in October. We're delighted that this is the case.

Nothing could really match *Robots* for the excitement it generated at ECTS. What's encouraging for us is that Time Warner Interactive is distributing the title so we're dealing with a global player. TWI are currently looking at developing more software for our format.

From my meeting room behind our stand I could see what a buzz was being created. Two installations accounted for this. First, was NewTek's VideoToaster which was being expertly demonstrated by our Californian friends with Primemage's PAL converter. It's been called the best Amiga peripheral ever - you could see why if you battled your way past the hordes of stunned onlookers.

NewTek are setting up distribution channels as we speak. When that's all taken care of I'm confident the Toaster will come to dominate UK broadcasting just as it has in the US.

Secondly, the Amiga 1200 CD drive. After months of speculation there it was, in prototype form, at last. My position on the add-on is that we have to work towards a fair price. It can't support MPEG and I think this will be a disappointment for some people unless we price it right. If all goes well, we're aiming at a September launch.

Finally, you may have read about our disappointing financial performance. Don't be discouraged. We're on the right track - costs have been cut by 70 percent, sales are motoring. And the UK is still the heartland of the Amiga. Where else does a specialist Amiga magazine appear amongst the top 100 best sellers as CU AMIGA does? No, the UK is special. That's never going to change.

JARGON BUSTER

PAL - The standard for UK TV signals, most UK televisions can only handle PAL TV pictures and not American NTSC, and vice versa.

NTSC - The standard for US TV signals. The Video Toaster (see below) is designed to only work on NTSC systems, to use a Toaster in the UK you the pictures must be converted to the PAL standard.

LIGHTWAVE - an extremely powerful 3D image rendering application which only runs on the Video Toaster, and is only available with NewTek's product.

LIGHTRAVE - A very handy software utility that allows LightWave to be run on most Amigas, even without a Video Toaster.

VIDEOTOASTER - The best graphics card available for Amigas in America. The Video Toaster lets the Amiga create special effects, images and video captions equal to, if not better, than some of the top TV production graphics workstations. The Video Toaster is one of the main reasons why Commodore have done so well in America.

BET YOU'LL LIKE THIS!

Those lovely people down at Sidmouth Software like CU AMIGA readers. In fact, they like them so much that they're offering their top horse racing prediction program *The Tipster* at the knock down price of £24.95 to you select few thousand. If horse racing isn't your thing, they'll even do you their surprisingly accurate pools predictor *The Punter* for the same price.

To take advantage of this most generous of offers, simply fill in the coupon below, and send it with a cheque or postal order made out to 'Sidmouth Software' to this address: CU AMIGA Special Offer, Sidmouth Software, PO Box 7, Sidmouth, Devon, EX10 0TD

Name:
Address:

Please send me ☐ copies of *The Tipster* @ £24.95

Please send me ☐ copies of *The Punter* @ £24.95

I enclose a cheque/postal order to the value of:

There's a Jeckyll and Hyde streak running through the world of Amiga video. On the one hand, it's all shiny logos and spaceships, quietly rendering away in plush offices around the world. On the other, it's mindwarping plasma tunnels and rough cut-up video samples being chopped and pasted together in bedrooms, and projected to masses of gyrating ravers on the underground party scene. What's it all about, what kit do you need, and how can you get a piece of it all?

CU AMIGA
investigates...

Professional VIDEO

Acid Video vs Professional Video

The cutting edge of video production is being sharpened to a point by Amiga users. These people use their systems to produce videos, be it low-cost productions for underground raves and parties or more expensive work used for feature films, business presentations and corporate adverts. Over the next few pages we reveal who they are, what they do with their Amigas, and how they do it. In short, we give you the complete low down on Amiga visuals, from the rave scene to the Hollywood and TV film industry, and on to the business market. Andy Leaning is your guide through the pin-striped respectable end of Amiga video and Tony Horgan then takes a look at the Acid video scene.

MIND THE GAP

We start off by looking at the UK corporate market. One of the highest-profile users of Amigas in the UK corporate market at present is the London Transport Museum.

The display at the London Transport Museum is a fine example of what can be achieved with the Amiga for interactive work. Scattered around the museum are various displays and interactive terminals providing information on the history of transport etc. The train driving simulator is perhaps one of the LTM's most popular and unique demonstrations. This uses state-of-the-art technology gives members of the public the chance to see the London Underground from a driver's point of view. Surprisingly, they don't use high-powered A4000s, VideoToasters, or even the A1200. Nope, they use the excellent CD32 for creating and presenting their videos.

The Amiga's association with the London Transport Museum was set up by Index Information, operating out of Basingstoke. Index Information has been responsible for setting up a great many of the corporate users now employing Amiga technology, and they lead the way in this area here in the UK. Other organisations they have snapped up include BBC Scotland and British Telecom.

Index Information have developed a hardware expansion for use at the LTM which enhances the CD32. Called the CD32x it provides

two serial ports, a parallel port, networking, and even an optional genlock. This expansion has proved hugely popular amongst Amiga users, so much so that it may well be released as a commercial product shortly.

ROLL 'EM!

The UK film industry is another area which has benefited from the power and versatility of the Amiga. David Bernard is a freelance designer who uses his Amiga to produce titles and captions for films. He started with a BBC Master 128 computer, working in an independent video facility five years ago. Then he came across the Amiga and was enticed by its ability to genlock easily, the large colour palette and its general ease of use.

Now he's worked his way up to an Amiga 3000, fitted with an Opal Vision 24-bit graphics card, a 1 gigabyte hard drive, a Sharp JX300 scanner and a DPS Personal Animation Recorder (PAR) card. He also uses *DPaint*, *Scala*, *AdPro*, and *Broadcast Titrer*.

Most of the work he does is video titling, although with the DPS PAR card he is now doing compositions and effects with videos. "It gives the best quality playback I've seen from any hard drive system", says David.

For video titling he uses both *Scala* and *Broadcast Titrer*, but prefers *Titrer* as he feels, "it is more geared to film titling."

His most recent work is on a feature film called *Boy meets Girl*, which, when we spoke, was unfortunately still with the film censors. The film is broken down into a series of chapters, and each chapter has a heading. For the heading he used *Opal Paint* to create textured fills and borders.

Another film he recently worked on is called *Away Day*. For this he used the Sharp scanner to scan in source material and then produced titles with *Titrer* and *Opal Paint*.

Dave hopes to expand, and is currently experimenting with the DPS PAR card to see what else he can do with it.

ANYONE FOR TOAST?

In America, Newtek's Video Toaster is probably the one product that has done more for getting the Amiga accepted by professionals than all other related products and companies combined.

For those that haven't heard of the *VideoToaster*, I should explain. The



Illustration shows: top, the Emmy award-winning *VideoToaster*. Bottom, the stunning DPS PAR card, and far left, a shot from *Robocop The Series*.

VideoToaster is an expansion card that plugs into the Amiga 2000, 3000 and 4000 and comes with a suite of powerful graphics software. It allows users to create animations, titles, 3D graphics and effects that are frequently beyond the capability of TV production systems. It's also far cheaper than any other comparable system.

The *Toaster's* appeal is widespread, finding favour amongst hobbyists, corporations, film companies (both small and large), and production agencies.

ROBOCOP

The power and the price of the *Toaster* has created a vast market of professional users (sales of the *Toaster* have reached between 50,000-80,000!) *Robocop*, *SeaQuest DSV*, *Star Trek: The Next Generation*, and *Babylon 5* are just some of better-known visuals that some high-end production companies have created using the *Toaster*. Hell this thing's even won an Emmy Award for advancing television technology!

Robocop, *The Series* has also been receiving the *Toaster* treatment. One of the most popular sci-fi TV series in America at the moment, it's an extension of the film, with the same high quality of effects, gloomy future feel and satire of the original.

This American syndicated series is produced by Canadian-based SkyVision Entertainment, and is hugely popular throughout America. In fact, the second episode got the second highest viewer

rating across the United States the evening it was shown! The series has so far proved even more popular than *Star Trek: The Next Generation*: we're talking millions of viewers here!

The Amiga is used extensively throughout the show, creating many of the special effects both on its own, combined with traditional visual effects, and in conjunction with work subcontracted out to an agency using a Silicon Graphics workstation.

Thanks to the *Toaster*, SkyVision can save the time and expense of traditional special effects. Combined with the Silicon Graphics workstation, they've got all bases covered, as Lee Wilson, SkyVision's Visual Effects Supervisor explains: "The combination of the two systems incorporates all the elements of visual and special effects design and computer animation with live action, against blue screen and mattes, creating an exciting and totally unique look".

The Visual Effects team use an Amiga 4000 with a *Video Toaster*, and although the Amiga system was not originally in their budget, SkyVision went for it in the hope that the added computer power would pay for itself. The result was unexpected.

"A few days after the *Toaster* arrived, I came in to work to find the entire visual effects crew still in the department after pulling in an all-nighter. The outstanding work they deliver is saving the production time and money, creating elements we don't have to sub-contract to other companies," explained Stephen Downing, Executive Producer, SkyVision.

Typical uses of the *Toaster* include creating much of the imaging used in *Robocop's* visor – dubbed *RoboVision* – showing elements such as targeting, computer feed and systems diagnostics. Many on-screen animations and effects that would normally be either impossible or costly to produce are also produced using the Amiga.

Explosive pucks thrown by *Robocop*, for instance, are actually animated, and every shot of the puck after it leaves *Robocop's* hand is created by Lee's team using the Amiga. One example of the flexibility and power that the team have put the *Toaster* to is creating an entire helicopter flight.

Lee elaborated, "In a merging of the two systems [*Amiga Toaster* and *SGL workstation* – ed], the helicopter was built and animated in the computer using *Toaster* and the *Lightwave 3D* program then flown over Delta City and John Fraser's beautiful matte painting." Here the artist, John Fraser, created the futuristic cityscapes on the workstation, which were then dropped in, using a

blue-screen matte, to live footage shot on a set, and the helicopter (created with the *Toaster*) was then added.

The end result is people in a city, with city scraper backgrounds and a helicopter flying in over them – yet in reality only the actors and their surrounding set actually existed!

What's interesting to Amiga users is that rather than simply use the Amiga for static backdrops (if at all) the visual effects team chose to create the moving helicopter with it, and leave the still pictures to an, in theory at least, more powerful workstation! I don't know about you, but I for one can't wait for the UK showing. "

SEAQUEST

Another guy doing wondrous things with the Amiga in the film industry is Tony Stutterheim from Amblin Images. Amblin are one of the most ambitious Amiga users around, using it to create some well known TV programs in the US. Most notable of these is *SeaQuest DSV*.

Nearly all of visuals in *SeaQuest*



Video production firms also use the Amiga for all manner of business video productions. This was created by the aptly named Business Video Production Inc.

are created with an Amiga, to do this they really push their Amigas and pack them with RAM, hard drives and accelerators – in the words of Tony, their Amigas are all 'maxed-out'. As a result they have some of the best Amigas you can get. But even so they would still like more power – particularly to increase the screen redraw speeds.

Most of the work is carried out with *Lightwave* and *Toasters*, although they also use *DPaint 4* for many of the graphics seen on the monitors on the ship. *AdPro* is also used to convert files from other formats.

But it's not all action and adventure for the *Toaster*. Another avid user is Guy Bickel, a graphics designer and 3D-animator for Business Video Productions Inc of Denver and Tampa, Florida.

Business Video Productions produces a variety of different types of work for some major organisations and corporations in the states – and charges some major fees as well!

Their customers include Price Waterhouse, TCI International, AT & T, and Novacare. They use the *Toaster* for a variety of operations, such as video titling, 3D presentations, and business graphics. The work is used

in training videos, employee communications, and sales and marketing. In addition to the *Toaster* Guy also uses *DPaint* and *AdPro* – these and the *Toaster* run on an A2000 and A4000.

According to Guy they use the Amiga and *Toaster* because, "it's both flexible and powerful."

He originally started using an Amiga, the A500, because "it looked like a happening machine". He's stuck with it ever since, and now feels that "it's more flexible than any other format."

GENIUS

Another keen *Toaster* user, but one with a difference is Stephen Harris. Stephen is odd. Odd because he is on his way to becoming one of the most sought after *Toaster* users in the US, yet he's only 16!

His work is used on TV, creating visuals for the WTVI TV channel, an organisation that has very high regard for his work – "You're a genius!" is how WTVI director Stuart Grasberg described him – and he was only 15 then.

Stephen's work has also been seen on the mighty CNN, and on several other nationally shown TV shows. His most recent work being for a program on women's health. The animations included a camera moving inside a modelled-woman's body and seeing a beating heart and various organs. It also included an animation of a medical balloon that travels in a blocked artery to unclog fat tissue, this will be shown across the USA on June 9th.

Stephen uses an Amiga 2000 with the *Toaster* and likes it because, "The *Toaster* is so easy to use and has the capability of a higher priced workstation."

With it he creates stunning 3D images and animations. "It's fun" he says, "you can be as creative as you want to be."

As well as being fun, it also makes him a lot of money, his company, Optical Art charges about \$120 an hour for modelling, and \$250-\$400 per second for the actual images! And this is cheap for corporate and film video, for which prices often run into tens of thousands of pounds. Steven is doing so well he recently bought himself a Mercedes – his first car! Not bad for having some fun with an Amiga.

IF YOU WANT TO KNOW MORE!

CU AMIGA thanks everyone who assisted with this article. In particular: David Bernard who can be reached through the CU AMIGA editorial offices and CIX. Lee Wilson at *Robocop* productions. Christina Knighton of Newtek, Inc. Letitia McMaster from GVP, Inc. Stephen Harris Jr and Snr of Optical Art



IMPORTANT - PLEASE NOTE
NOP = will not work on A500
Plus, A600 or A1200.
NO12 = will not work on the A1200.
1 MEG = requires at least 1 meg of RAM to run.
*** = NEW Item**

AMIGA A1200 VERSION GAMES

AIRBUCKS 1.2	20.99
ALIEN BREED 2	18.99
BODY BLOWS GALACTIC	18.99
BURNING RUBBER	18.49
CAPTIVE 2 - LIBERATION	20.49
CHAOS ENGINE	18.49
CIVILISATION	18.99
GUNSHIP 2000	20.49
ISHAR 2 - LEGIONS OF CHAOS	18.99
JAMES POND 3 - OPERATION STARFISH	19.99
JURASSIC PARK	18.49
KINGS QUEST 1	22.99
MAN UTD PREMIER	18.99
LEAGUE CHAMPIONS	18.99
MR NUTZ	19.49
NIGEL MANSELL'S WORLD CHAMP'SHIP	18.49
OUT TO LUNCH	18.49
RISE OF THE ROBOTS	23.99
RYDER CUP	18.49
SABRE TEAM	18.99
SIM LIFE	22.99
SIMON THE SORCERER	24.49
SOCCER KID	19.49
STAR TREK - 25TH ANNIVERSARY	22.49
SUPER STARDUST	16.99
ZOO	18.49

AMIGA GAMES
 FOR OUR FULL RANGE SEE OUR CATALOGUE

688 ATTACK SUB	10.49
A-TRAIN (1 MEG)	12.99
A320 AIR-BUS (1 MEG)	11.99
A320 AIRBUS (USA VERSION) (1 MEG)	22.49
A320 APPROACH TRAINER (1 MEG)	16.99
ADDAMS FAMILY (1 MEG)	9.99
AIR FORCE COMMANDER (1 MEG)	18.49
AIR SUPPORT	11.99
ALIEN BREED	9.49
(SPECIAL EDITION) (1 MEG)	9.49
ALIEN BREED 2 (1 MEG)	9.49
ANOTHER WORLD	11.99
APOCALYPSE (1 MEG)	20.49
ARABIAN NIGHTS	9.49
ARCADE POOL (1 MEG)	9.99
ARMCHAIR MACLEAN'S POOL	13.49
ASSASSIN FORTRESS (1 MEG)	22.99
B17 FLYING FORTRESS (1 MEG)	22.99
BATTLE ISLE 93	17.49
BATTLES OF TIME	17.49
(PERFECT GENERAL, BATTLE ISLE, MEGA LO MANIA, FIRST SAMURAI) (1 MEG)	21.49
BENEATH THE STEEL SKY (1 MEG)	23.99
BIRDS OF PREY (1 MEG) (NO12)	11.99
BLACK CRYPT (1 MEG)	11.49
BLADE OF DESTINY (1 MEG)	25.49
BODY BLOWS (1 MEG)	12.49
BODY BLOWS GALACTIC (1 MEG)	17.49
BRIAN THE LION	17.99
BRUTAL FOOTBALL	13.99
BUBBA 'N' STIX	16.99
CAESAR DELUXE	18.49
CAMPAIGN 2 (1 MEG)	22.99
CANNON FODDER (1 MEG)	20.49
CHAMPIONSHIP MANAGER 93	20.49
UPDATE DISK (1 MEG)	9.49
CHAMPIONSHIP MANAGER 93/94 (1 MEG) (12.99)	12.99
CHAMPIONSHIP MANAGER COLLECTION (93/94 + UPDATE DISK) (1 MEG)	19.99
CHAMPIONSHIP MANAGER ITALIA 93/94 (1 MEG)	17.49
CHAOS ENGINE	13.99
CIVILISATION (1 MEG)	23.49
COMBAT CLASSICS	13.99
(F15 STRIKE EAGLE 2, 688 ATTACK SUB, TEAM YANKEE) (1 MEG) (NO12)	13.99
COOL SPOT	20.49
CORRUPTION (MISCROLLS)	7.49
CRUISE FOR A CORPSE	11.99
CURSE OF ENCHANTIA (1 MEG)	11.99
DAKESSED (1 MEG)	21.49
DESERT STRIKE (1 MEG)	17.99
DIZZY'S EXCELLENT ADVENTURE	16.49
DOGFIGHT (1 MEG)	22.99
DREAMLANDS (TRANSARTICA, STORM MASTER, ISHAR) (1 MEG)	18.99
DUNE 2 - BATTLE FOR ARRAKIS (1 MEG) 20.49	20.49
DUNGEON MASTER & CHAOS	17.99
STRIKES BACK (1 MEG)	20.49
DYNA BLASTERS (NO12)	9.49
ELITE	9.49
ELITE 2 (FRONTIER) (1 MEG)	19.99
EUROPEAN CHAMPIONS (1 MEG)	17.99
EYE OF THE BEHOLDER (SBI) (1 MEG)	12.49
EYE OF THE BEHOLDER 2 (1 MEG)	24.49
F1 (DOMARK) (1 MEG)	22.99
F17A STEALTH FIGHTER 2.0 (1 MEG)	22.99
F19 STEALTH FIGHTER (NOP)	6.99
FACE OFF ICE HOCKEY (NO12)	9.49

FANTASTIC WORLDS (REALMS, PIRATES, MEGA LO MANIA, POPULOUS, WONDERLAND) (1 MEG) (NO12)	23.49
FIRST SAMURAI + MEGA LO MANIA (NO12)	13.99
FLASHBACK (1 MEG)	20.99
FLY HARDER	9.49
FORMULA 1 GRAND PRIX	22.99
GENESIA (1 MEG)	20.49
GOAL	14.49
GRAHAM GOOCH DATA DISK	12.99
WORLD CLASS CRICKET (1 MEG)	18.49
HOLLYWOOD TAYLOR'S SOCCER MANAGER (1 MEG)	9.49
GUNSHIP 2000 (1 MEG)	22.99
HEROQUEST 2	11.49
THE LEGACY OF SORASIL (1 MEG)	16.99
HIRED GUNS (1 MEG)	22.49
HISTORYLINE 1914-18 (1 MEG)	22.99
ROBOCOP, GHOSTBUSTERS 2, INDIANA JONES ACTION, BATMAN THE MOVIE	10.99
DJ'S (NOP)	7.99
INDIANA JONES ADVENTURE	11.49
INDIANA JONES FATE OF ATLANTIS	24.49
ADVENTURE (1 MEG)	24.49
INNOCENT (1 MEG)	24.49
INTERNATIONAL RUGBY CHALLENGE	9.99
ISHAR 2 - LEGIONS OF CHAOS (1 MEG)	11.49
IT CAME FROM THE DESERT PLUS	14.99
ANT HEADS DATA DISK (1 MEG)	14.99
JAGUAR XJ220 (1 MEG)	9.49
JAMES POND	18.49
KING OF THE HILL	17.99
JIMMY WHITES SNOOKER (NO12)	13.49
JINXTER (MISCROLLS)	4.49
JOHN MADDEN'S (U.S.) FOOTBALL	11.49
JURASSIC PARK (1 MEG)	17.99
K240 (UTOPIA 2) (1 MEG)	18.49
KGB	20.49
KINGMAKER (1 MEG)	23.49
KINGS QUEST 1	11.49
KINGS QUEST 2 (1 MEG)	10.99
KINGS QUEST 6 (1 MEG)	22.99
KNIGHTS OF THE SKY (1 MEG)	22.99
LABER SQUAD	9.49
LEGEND (WORLD OF LEGENDS)	9.49
LEGENDS OF VALOUR (1 MEG) (NO12)	23.49
LEISURE SUIT LARRY (1 MEG)	11.49
LEISURE SUIT LARRY 2 (1 MEG)	11.49
LEMMINGS 2	13.99
LEMMINGS DATA DISK - OH NO!	4.99
LINKS - (GOLF)	12.99
(HARD DRIVE REQUIRED) (1 MEG)	12.99
LOMBARD RAC RALLY	3.99
LORDS OF CHAOS	3.49
LOST VIKINGS	19.99
LOTUS 3 - THE FINAL CHALLENGE	15.99
(1 MEG) (NO12)	15.99
MAEL OF THE TEMPTRESS (1 MEG)	12.49
MUETSTROM (1 MEG)	22.99
LEAGUE CHAMPIONS (1 MEG)	19.49
MANCHESTER UNITED	9.49
MICRO MACHINES	16.99
MONOPOLY	18.49
MORTAL KOMBAT (1 MEG)	20.49
MR NUTZ	19.49
NICK FALDO'S GOLF	13.99
NIGEL MANSELL'S	18.49
WORLD CHAMP'SHIP (1 MEG)	11.99
OVERDRIVE (1 MEG)	11.99
PATRICIAN (1 MEG)	20.49
PGA TOUR GOLF	10.99
PINBALL DOUBLE PACK	21.49
(PINBALL DREAMS & FANTASIES)	21.49
PINBALL DREAMS (1 MEG)	13.49
PINBALL FANTASIES	15.99
PIRATES (NOP)	10.49
POLICE QUEST 1	13.49
POOLS OF DARKNESS	9.99
POPULOUS 2 (1 MEG)	22.49
CHALLENGE DATA DISK	22.49
POWERMONGER	12.49
WWI DATA DISK (NO12)	12.49
PREMIER MANAGER (1 MEG)	9.99
PREMIER MANAGER 2 (1 MEG)	13.99
PRINCE OF PERSIA (1 MEG)	7.99
PROJECT X (SPECIAL EDITION) (1 MEG)	10.49
QUEST & GLORY	13.49
(BLOODWYCH, MIDWINTER, CADAVER, BAT) (NO12)	13.49
QWAK	9.99
RAILROAD TYCOON (1 MEG) (NOP)	13.49
RAINBOW COLLECTION	10.99
(BUBBLE BOBBLE, RAINBOW ISLANDS, NEW ZEALAND STORY) (NOP)	14.99
REACH FOR THE SKIES	14.99
RISE OF THE ROBOTS (1 MEG)	25.99
ROAD RASH	17.99
ROBOCOP 3 (NO12)	10.99
ROCKEY'S DRIFT	7.99
SABRE TEAM	11.99
SCRABBLE (US GOLD)	18.49
SECOND SAMURAI (1 MEG) (NO12)	20.49
SECRET OF MONKEY ISLAND (1 MEG)	12.99
SECRET OF MONKEY ISLAND 2 (1 MEG)	24.49
SENSIBLE SOCCER (92/93 SEASON)	13.99
SETTLERS	23.49
SHADOWWORLDS (NO12)	6.99
SIERRA SOCCER	17.49
SILENT SERVICE 2 (1 MEG)	12.49
SIM CITY DELUXE (SIM CITY, FUTURE CITIES & TERRAIN EDITOR)	19.99

SIM CITY/LEMMINGS (NO12)	19.49
SIMON THE SORCERER (1 MEG)	21.49
SKID MARKS (1 MEG)	18.49
SLEEPWALKER	20.99
SOCCER KID	18.99
SPACE HULK	22.99
SPACE QUEST 1	13.49
SPECIAL FORCES (1 MEG)	10.99
SPEEDBALL 2	8.99
SPORTS MASTERS	13.99
(PGA GOLF, INDY 500, ADVANTAGE TENNIS, EUROPEAN CHAMPIONSHIP'S '92) (1 MEG) (NO12)	13.99
STARDUST	12.49
STREETFIGHTER 2	11.49
SUPER FROG (1 MEG)	16.99
SUPER HANG ON	7.99
SUPER SPACE INVADERS	9.49
SUPER TETRIS	12.49
SYNDICATE (1 MEG)	22.49
TEAM 17 COLLECTION	25.99
(BODY BLOWS, SUPER FROG, OVERDRIVE)	25.99
TETRIS - 7 COLOURS	16.99
THE BLUE & THE GREY (1 MEG)	21.49
THE GREATEST	13.99
(JIMMY WHITES, LURE OF THE TEMPTRESS, DUNE) (1 MEG)	13.99
TITUS THE FOX	9.49
TORNADO (1 MEG)	8.49
UFO - ENEMY UNKNOWN (1 MEG)	23.49
ULTIMA 5 (NO12)	7.99
UNIVERSE (1 MEG)	22.49
URIDIUM 2 (1 MEG)	17.99
VIKINGS - FIELD OF CONQUEST (1 MEG)	11.49
VIKING TWO WORLDS WAR (1 MEG)	21.49
WING COMMANDER 1 (1 MEG)	9.99
WINTER GOLD	12.49
WINTER OLYMPICS	21.49
WIZ-KID	10.99
WVF WRESTLING 2 (1 MEG)	8.99
XMAS LEMMINGS	12.49
ZOO (1 MEG)	16.99

AMIGA EDUCATIONAL

10 OUT OF 10 - DINOSAURS (1 MB, ALL AGES)	18.99
10 OUT OF 10 - EARLY ESSENTIALS (1 MB, AGES 3-7)	18.99
10 OUT OF 10 - ENGLISH (1 MB, AGES 6-16, COVERS MAJOR PART OF NATIONAL CURRICULUM)	18.99
10 OUT OF 10 - FRENCH (1 MB, AGES 6-16)	18.99
10 OUT OF 10 - JUNIOR ESSENTIALS (1 MB, AGES 5-11)	18.99
10 OUT OF 10 - MATHS ALGEBRA (1 MB, AGES 6-16)	18.99
10 OUT OF 10 - MATHS NUMBERS (1 MB, AGES 6-16)	18.99
ADI FRENCH (12-13 YRS)	17.99
ADI FRENCH (13-14 YRS)	17.99
ADI GCSE ENGLISH PACK (14-16 YEARS)	22.99
1 MB, DOUBLE AGE GROUP PACK	22.99
ADI GCSE FRENCH PACK (14-16 YEARS)	22.99
1 MB, DOUBLE AGE GROUP PACK	22.99
ADI GCSE MATHS PACK (14-16 YEARS)	22.99
1 MB, DOUBLE AGE GROUP PACK	22.99
ADI JUNIOR READING (4-5 YRS)	14.99
ADI JUNIOR READING (6-7 YRS)	14.99
ADI MATHS (11-12 YRS)	17.99
FUN SCHOOL 3 (2-5 YRS)	14.99
FUN SCHOOL 3 (5-7 YRS)	14.99
FUN SCHOOL 3 (7-9 YRS)	14.99
FUN SCHOOL 4 (2-5 YRS)	16.99
FUN SCHOOL 4 (5-7 YRS)	16.99
FUN SCHOOL 4 (7-9 YRS)	16.99
FUN SCHOOL SPECIAL - MERLIN'S MATHS (7-11 YRS)	17.99
FUN SCHOOL SPECIAL - SPELLING FAIR (7-13 YRS)	17.99
MEGA MATHS (A LEVEL COURSE)	18.99
MICRO ENGLISH (8 YRS TO GCSE)	18.99
MICRO FRENCH (BEGINNER TO GCSE)	18.99
NOW FEATURES REAL SPEECH	18.99
MICRO GERMAN (BEGINNER TO GCSE AND BUSINESS LEVEL)	18.99
NOW FEATURES REAL SPEECH	18.99
MICRO MATHS (11 YRS TO GCSE)	18.99
MICRO SCIENCE (8 YRS TO GCSE) (1 MB)	18.99
MICRO SPANISH (BEGINNER TO GCSE) (1 MB)	18.99
NODDY'S BIG ADVENTURE (FOLLOW UP TO NODDY'S PLAYTIME)	18.99
NODDY'S PLAYTIME (EDUCATIONAL PROGRAM) (3+ YRS) (1 MB)	18.99

LOTS MORE TITLES AVAILABLE
AMIGA APPLICATIONS

BRILLIANCE AGA (2 MB MINIMUM, 2 DISK DRIVES OR HARD DRIVE REQUIRED, PROFESSIONAL PAINT AND ANIMATION PACKAGE FOR OUTSTANDING RESULTS. FEATURES ALL AMIGA SCREEN MODES INCLUDING AGA)	114.99
DELUXE PAINT 4 (AGA FOR AMIGA 1200 WORKS IN 256 COLOUR AND NEW 8-BIT HAM MODE, 2 DISK DRIVES RECOMMENDED)	59.99
VISTA PRO (LITE VERSION)	14.99
REQUIRES HARD DRIVE. CREATE SPECTACULAR VIRTUAL WORLDS WITH THIS POWERFUL SCENERY CREATOR AND ANIMATOR. SPECIAL LITE VERSION TO RUN ON A1200 OR ABOVE	44.99

APPLICATIONS - ALL AMIGAS

AMOS CRAFT	19.99
ADD ON EXTENSION TO AMOS GIVING OVER 160 NEW COMMANDS AND INSTRUCTIONS TO GIVE AMOS OR AMOS PROFESSIONAL GREATER FLEXIBILITY AND POWER.	19.99
REQUIRES AMOS OR AMOS PROFESSIONAL	19.99
AMOS PROFESSIONAL VERSION OF (1 MB, PROFESSIONAL VERSION OF JAMES CREATOR) MORE COMMANDS, MORE FLEXIBILITY AND BETTER USER INTERFACE	31.99
AMOS PROFESSIONAL COMPILER (COMPILES AND SPEEDS UP PROGRAMS WRITTEN IN AMOS, EASY AMOS OR AMOS PROFESSIONAL)	24.99
A BRAND NEW FAST AND EASY TO USE VERSION OF BASIC. COMPLETE WITH MANUAL AND COMPILER SYSTEM. THE HOTTEST NEW PROGRAMMING LANGUAGE AVAILABLE	56.99
DELUXE PAINT 3	14.99
A VERY POWERFUL ART AND ANIMATION PACKAGE WITH EXTENSIVE FEATURES. A BEST SELLER. MANY FONT AND PRINTING OPTIONS AND SAMPLE ANIMATION AND ART INCLUDED.	14.99
HANNA BARBERA ANIMATION WORKSHOP, 1 MB.	27.99
CAPABLE OF CREATING CARTOONS AND QUALITY ANIMATIONS	27.99
HOME ACCOUNTS	9.99
KIND WORDS 3 WORD PROCESSOR (SUPERB FULLY FEATURED PACKAGE FOR LOW PRICE. 2 DISK DRIVES RECOMMENDED)	19.99
MINI OFFICE (1 MB, WORD PROCESSOR, SPREADSHEET, DATABASE AND DATA UTILITIES)	35.99
MONEY MATTERS (HOME ACCOUNTS 3). LATEST VERSION OF THE EXCELLENT MONEY PACKAGE FROM DIGITA PC TASK (1 MB).	35.99
GOOD VALUE SIMPLE PC EMULATOR ALLOWING IBM PC APPLICATIONS TO BE USED ON YOUR AMIGA. PLEASE NOTE THAT THIS IS NOT SUITABLE FOR WINDOWS OR HIGH END APPLICATIONS. REQUIRES MS DOS 3.3 OR ABOVE.	35.99
SUPPORTS HARD DISK DRIVE.	37.99
PEN PAL WORD PROCESSOR (PUBLISHER (PAGE LAYOUT PACKAGE). CAN PRODUCE BLACK AND WHITE NEWSLETTERS, FLYERS, ANNUAL REPORTS AND MAGAZINES. REQUIRES ONE EXTERNAL DISK DRIVE OR HARD DRIVE (1 MB) (NO12)	19.99
WORDWORTH V.2 WORD PROCESSOR (REQUIRES 1 MB RAM, AGA COMPATIBLE, 2 DISK DRIVES RECOMMENDED)	39.99
WORDWORTH V.3 WORD PROCESSOR (REQUIRES 2 MB RAM, AGA COMPATIBLE, 2 DISK DRIVES OR HARD DRIVE REQUIRED. THE LATEST VERSION OF TOP QUALITY WORD PROCESSOR/PUBLISHER SYSTEM. RRP 149.99. LAUNCH OFFER WHILE STOCKS LAST	59.99

FREE PRINTER LEAD WITH ALL PRINTERS
PANASONIC KXP2123 COLOUR PRINTER
 24 PIN, 80 COLUMN, 192 CPS/64Q, 7 FONTS (1 SCALABLE), EXTREMELY QUIET 43.5 DBA NOISE LEVEL, FREE PRINTER LEAD, 1 YEAR WARRANTY.
 189.99

CITIZEN SWIFT 90C COLOUR PRINTER
 9 PIN, 80 COLUMN, 240 CPS/54NLO, 8NLO FONTS, 2 YEAR WARRANTY, FREE PRINTER LEAD, A 9 PIN PRINTER WITH COLOUR FACILITY AND FULL PAPER HANDLING FUNCTIONS.
 154.99

CITIZEN ABC PRINTER WITH COLOUR KIT
 24 PIN, 80 COLUMN, 192 CPS/64Q, 5LQ/1 DRAFT FONT, 2 YEAR WARRANTY, FREE PRINTER LEAD. THE EASIEST TO USE PRINTER ON THE MARKET. COMPLETE WITH FREE CITIZEN EASYSTART SOFTWARE FOR BOTH AMIGA AND PC
 164.99

CITIZEN SWIFT 200C PRINTER WITH COLOUR KIT
 24 PIN, 80 COLUMN, 240 CPS/80Q, 9LQ/1 DRAFT FONT, 2 YEAR WARRANTY, ADVANCED VERSION OF 24E WITH AUTOSAVE FEATURE AND LCD CONTROL PANEL.
 229.99

AMIGA CD32 SOFTWARE

ALFRED CHICKEN	17.99
ALIEN BREED 2 (CD32)	19.99
ALIEN BREED S/E - QWAK	17.99
ARABIAN NIGHTS (AGA)	12.99
BATTLECHESS	18.99
BRUTAL FOOTBALL	19.99
BUBBA 'N' STIX	17.99
BUBBLE AND SQUEAK	19.99
CAPTIVE 2 - LIBERATION	14.99
CASTLES 2	19.99
CEASAR/COHORT 2	19.99
CHAOS ENGINE	17.99
CHUCK ROCK	17.99
DIGENERATION	17.99
DENNIS	19.99

COMMODORE AMIGA A1200 DESKTOP DYNAMITE PACK PLUS FOUR FREE GAMES



4 TOP
GAMES
WORTH
OVER
£100
FREE

AMIGA A1200 2/0 DYNAMITE+4 PACK
WITH WORDWORTH 2.0 AGA WORD PROCESSOR,
DELUXE PAINT IV AGA, PRINT MANAGER, OSCAR AND
DENNIS. COMPUTER WITH 2 MB RAM, 32 BIT 68020 14
MHz ETC. 1 YEAR IN-HOME SERVICE.
FREE ELITE 2, BATMAN, LEMMINGS 2
& CIVILISATION AGA SOFTWARE 325.99

A1200 DESKTOP DYNAMITE PACK AS ABOVE WITH INTERNAL 2.5" HARD DRIVES

A1200 COMPUTER + 80 MB INTERNAL 2.5" HARD DRIVE ...499.99
A1200 COMPUTER + 127 MB INTERNAL 2.5" HARD DRIVE ...549.99
A1200 COMPUTER + 200 MB INTERNAL 2.5" HARD DRIVE ...599.99
A1200 COMPUTER + 340 MB INTERNAL 2.5" HARD DRIVE ...749.99

ALL WITH FREE ELITE 2, BATMAN, LEMMINGS 2 &
CIVILISATION AGA GAMES

COMMODORE AMIGA A1200 LEMMINGS PACK



WITH FREE
LEMMINGS &
DELUXE PAINT 3

AMIGA A1200 2/0 LEMMINGS PACK
COMPUTER WITH 2 MB RAM,
32 BIT 68020 14 MHz PROCESSOR, MOUSE,
BUILT-IN TV MODULATOR
AND 1 YEAR IN-HOME SERVICE WARRANTY.
WITH LEMMINGS AND
DELUXE PAINT 3.275.99

A1200 LEMMINGS PACK AS ABOVE WITH INTERNAL 2.5" HARD DRIVES

A1200 COPMUTER + 64 MB INTERNAL 2.5" HARD DRIVE ...415.99
A1200 COMPUTER + 80 MB INTERNAL 2.5" HARD DRIVE ...439.99
A1200 COMPUTER + 127 MB INTERNAL 2.5" HARD DRIVE ...489.99
A1200 COMPUTER + 200 MB INTERNAL 2.5" HARD DRIVE ...539.99

ALL WITH FREE LEMMINGS AND
DELUXE PAINT3 SOFTWARE

COMMODORE AMIGA A600 LEMMINGS PACK



WITH FREEMEMINGS, FORMULA ONE GRAND PRIX,
PUSHOVER, PUTTY & DELUXE PAINT 3

AMIGA A600 LEMMINGS PACK 1/0
WITH BUILT-IN TV MODULATOR, MOUSE, WORKBENCH 2.0, 1 MB RAM
EXPANDABLE TO 10 MB, 1 YEAR IN-HOME WARRANTY, WITH LEMMINGS, F1
GRAND PRIX, PUSH OVER, PUTTY AND DELUXE PAINT 3199.99
WHY NOT BUY THIS CHAOS SOFTWARE PACK WHEN YOU BUY YOUR A600?
IT CONTAINS CHAOS ENGINE, NICK FALDO GOLF,
PINBALL FANTASIES AND SYNDICATE AND ALL FOR ONLY19.99

LOWER PRICE

NEW AMIGA CD32 SPECTACULAR VOYAGE PACK

WITH MICROCOSM AND CHAOS ENGINE
PLUS ADDITIONAL WING COMMANDER, OSCAR, DIGGERS,
DANGEROUS STREETS (WHITE STOCKS LAST)
ALSO PLAYS AUDIO CD'S VIA STEREO OUTPUT AND
VIDEO CD VIA OPTIONAL FMV ADAPTOR.229.99
COMMODORE CONTROL PAD FOR AMIGA CD-3216.99
CHOOSE A SCART TV FOR PIXEL PERFECT PICTURE

MEMORY UPGRADES

512K AMIGA RAM WITH CLOCK
FOR A500 AND A500+24.99
AS ABOVE WITHOUT CLOCK19.99
1 MEGABYTE A500 PLUS RAM
UPGRADE WITH CLOCK29.99
1 MEGABYTE A600 RAM
UPGRADE WITH CLOCK39.99
4 MEGABYTE PCMCIA UPGRADE FOR
A600 OR A1200. PLUGS DIRECTLY INTO
SMART CARD SLOT. THESE ARE NOT
BATTERY BACKED AND CAN'T BE
USED AS A DISK, ONLY AS RAM.169.99

WORK CENTRES

PREMIER CONTROL CENTRE FOR AMIGAS.
STEEL MONITOR STAND WITH EXTRA
SHELF FOR EXTERNAL DISK DRIVE AND
ACCESSORIES. CUSTOM FIT DESIGN)
PREMIER CONTROL CENTRE
FOR AMIGA 1200.39.99
PREMIER CONTROL CENTRE
FOR AMIGA A500 OR A500+.39.99
PREMIER CONTROL CENTRE
FOR AMIGA A60034.99

DISK DRIVES

EXTERNAL 3.5" DISK DRIVE FOR ANY
AMIGA WITH SONY/CITIZEN DRIVE
MECHANISM. 800K FORMATTED
CAPACITY. QUIET, HIGH QUALITY, SLIM
LINE DESIGN, COLOUR MATCHED METAL
CASE AND LONG REACH
CONNECTION CABLE.52.99

SOUND EQUIPMENT

SCREENBEAT 2 STEREO SPEAKERS 15.99
SCREENBEAT MAINS ADAPTOR
FOR SCREENBEAT SPEAKERS7.99
ZYDEC STEREO SPEAKERS FOR
AMIGA WITH BUILT-IN AMPLIFIER
AND VOLUME CONTROLS27.99

DISK BOXES

DISK BOX 3.5" (120)
LOCKABLE, DIVIDERS9.99
DISK BOX 3.5" PLASTIC FLIP TOP
(10 CAPACITY)2.49
MEDIA LIFE FILE DRAWER (100
CAPACITY). STACKABLE DESIGN12.99

CD32 ACCESSORIES

COMMODORE FULL MOTION VIDEO-CD
MODULE FOR AMIGA CD-32. GIVES CD-32
HIGH QUALITY FULL MOTION VIDEO
CAPABILITY FOR MOVIES, MUSIC VIDEOS
AND GAMES THAT FEATURE FULL
MOTION VIDEO GAMEPLAY. SIMPLY
SLOTS INTO BACK OF CD-32.199.99
TV LEAD - AMIGA CD-32
TO SVHS TV OR VIDEO7.99
MONITOR LEAD - AMIGA CD32 TO
PHILIPS CM8033 MK2 OR CBM 10845
MONITOR7.99
SCART LEAD - AMIGA CD32 TO TV WITH
SCART INPUT. REQUIRES TV WITH
MANUAL SWITCHING SCARTCHANNEL9.99

LEADS

ANTI-SURGE 4 WAY MULTIPLEG EXTENSION
LEAD FOR ANY ELECTRICAL DEVICE (E.G.
COMPUTER/CONSOLE/VIDEO). PROTECTS
YOUR VALUABLE EQUIPMENT AGAINST
DAMAGING ELECTRICAL SURGES.26.99
MONITOR LEAD - AMIGA TO PHILIPS
CM8033 MK2 OR CBM 10845 MONITOR 7.99
SCART LEAD - AMIGA TO PHILIPS TV
WITH SCART INPUT9.99
SCART LEAD - AMIGA TO SONY TV
WITH SCART INPUT9.99
SCART LEAD - AMIGA TO TOSHIBA/DAIICHI
TV WITH SCART INPUT9.99
SCART LEAD - AMIGA TO TV
WITH SCART INPUT9.99



DSDD 3.5" DISKS
WITH LABELS

PACK OF 50
22.99

OVERDRIVE HIGH SPEED HARD DRIVES



FOR AMIGA A1200

- INCREDIBLY FAST
- STYLED TO MATCH AMIGA
- WESTERN DIGITAL DRIVE
- EASY INSTALLATION - PLUGS INTO PCMCIA SLOT
- AVERAGE ACCESS TIME 12MS
- 1 YEAR WARRANTY
- AQ TOOLS AND 1 YEAR WARRANTY.

DOES NOT INVALIDATE WARRANTY

OVERDRIVE 120 MB HARD DRIVE (DRIVE MECHANISM MAY VARY)255.99
OVERDRIVE 210 MB HIGH SPEED HARD DRIVE FOR A1200.289.99
OVERDRIVE 250 MB HIGH SPEED HARD DRIVE FOR A1200.309.99
OVERDRIVE 340 MB HIGH SPEED HARD DRIVE FOR A1200.369.99
OVERDRIVE 420 MB HIGH SPEED HARD DRIVE FOR A1200.439.99

CONNER HARD DRIVES FOR AMIGA A1200 & A600

CONNER HARD DRIVE: (INTERNAL IDE, MODEL CP2064). HIGH SPEED
2.5" DRIVE, 15 MS ACCESS TIME (APPROX). 32K CACHE
AND ONE YEAR WARRANTY. KIT COMPLETE.
NOTE THAT OPENING YOUR AMIGA MAY INVALIDATE THE WARRANTY.

CONNER 64 MB HARD DRIVE FOR AMIGA A1200129.99
CONNER 64 MB HARD DRIVE FOR AMIGA A600129.99



CONSOLE SALE: INCLUDING OVER 40 MEGADRIVE
TITLES AT UNDER £20 EACH - PLEASE CALL

SEGA MEGADRIVES FROM £95.99

GENUINE UK VERSIONS
MEGADRIVE 2 WITH SONIC 3
AND 2 CONTROL PADS124.99

MEGADRIVE GAMES

ALADDIN39.99
BATMAN RETURNS19.99
CHUCK ROCK17.99
EA SPORTS SOCCER36.49
EURO CLUB SOCCER17.99
FORMULA ONE RACING38.99
GENERAL CHAOS35.99
JOHN MADDEN '9214.99
JOHN MADDEN '9319.99
JUNGLE STRIKE35.99
LETHAL ENFORCERS
(WITH LIGHT GUN)54.99
MEGA GAMES 1
(WORLD CUP ITALIA '90,
COLUMNS, SUPER HANG ON)19.99
MICKEY AND DONALD
WORLD OF ILLUSION19.99
MICRO MACHINES28.49
MORTAL KOMBAT32.99
NBA JAM42.99
NHL HOCKEY '94 (EA FOUR
PLAYER GAME)36.49
NHL PA ICE HOCKEY '9319.99
PGA EUROPEAN TOUR32.99
ROAD RASH 219.99
SENSIBLE SOCCER30.99
SIMPSON'S17.99
SONIC 219.99
SONIC 343.99
SONIC THE HEDGEHOG13.99
SPEEDBALL 217.99
STREETFIGHTER 2
CHAMPIONSHIP EDITION43.99
SUPER MONACO GP13.99
X-MEN18.99
XENON 213.99

£79.99

GAME
GEAR
WITH
SONIC 2
PLUS CHAMPIONSHIP TENNIS,
PENALTY KICK, COLUMNS
AND PAN AMERICAN RALLY
SAVE OVER £40 ON RRP.
GENUINE UK VERSION
(NO MAINS ADAPTOR)79.99
MAINS ADAPTOR FOR
GAME GEAR8.99

GAME GEAR GAMES

COLUMNS9.99
MICRO MACHINES24.99
SONIC THE HEDGEHOG14.99
SONIC CHAOS24.49
NBA JAM28.99

MICROVITEC 1438 MULTI-SYNC MONITOR



FOR AMIGA A1200/A4000 OR PC. COMPLETE
WITH STEREO SPEAKERS, 0.28 DOT PITCH
RESOLUTION, 15 PIN RGB DIN PLUG. AMIGA
ADAPTOR PLUG INCLUDED. SUITS ALL AMIGA
AGA AND ALL PC SCREEN MODES TO SVGA.
1 YEAR WARRANTY.299.99

GOLDSTAR C14A80 14" COLOUR SCART TV



WITH REMOTE CONTROL AND SCART INPUT,
ON SCREEN DISPLAY, AUTO POWER OFF,
SLEEP TIMER, ON TIMER, CHILD LOCK. FREE
SCART LEAD (STATE AMIGA, CD32,
MEGADRIVE 1 OR 2, OR SNES)169.99

SONY KVM1400 14" FST COLOUR SCART TV/MONITOR



WITH REMOTE CONTROL, 60 CHANNEL
TUNING, REAR SCART INPUT, HEADPHONE
SOCKET, TWO POSITION TILT, BLACK
TRINITRON SCREEN, LOOP AERIAL
FREE SCART LEAD (STATE AMIGA, CD32, ST,
MEGADRIVE 1 OR 2, OR SNES).

SONY KVM1400 (GREY)194.99
SONY KVM1400 (WHITE)194.99
SONY KVM1401BL FASTEXT244.99

Special Reserve The Discount Club

JOIN now from just £4.00

READ Special Reserve Magazine
48 Page colour club magazine sent bi-monthly to members
only. The latest Reviews, Charts & Release Schedule

CHOOSE from our Huge Selection
Disks, CD's, Cartridges, Utilities, Education, Home Office,
New Technology and Hardware. 16 Page colour catalogue.

BUY at Best Possible Prices

Just one purchase from Special Reserve will normally
save you the cost of joining. Top discounts on all products.

SAVE with our Special Deals

Always hundreds of Special Reserve Offers. Top games at
prices you won't believe and hardware at amazing reductions.

SAVE MORE with our XS Coupons

Money-off coupons worth over £180 a year off top games.
You'll find them on the back page of each club magazine.

AND ENTER our FREE competitions

Six reasons why over 200,000 people have joined
Special Reserve, the biggest games club in the World!

We only supply members but you can order as you join
Just send in the form below or phone. There's no obligation to buy.

0279 600204

OPEN to 8pm DAILY or by Fax on: 0279 726842
FREE 16-PAGE COLOUR CATALOGUE - JUST ASK

CLUB SHOPS

OPEN 10am TIL 8pm SEVEN DAYS A WEEK!

CHELMSFORD - 43 Broomfield Rd
just around the corner from the bus station
SAWBRIDGEWORTH - The Maltings
200 yards from the train station



SUPER NINTENDO STREETFIGHTER TURBO PACK

WITH STREETFIGHTER TURBO GAME
AND 1 CONTROL PAD95.99



ATARI JAGUAR 64-BIT CONSOLE WITH JOYPAD AND CYBERMORPH GAME FIRST SUPPLIES EXPECTED IN JUNE FIRST COME FIRST SERVED GENUINE UK VERSION229.99

MEMBERSHIP FEES

	6 MONTHS MEMBERSHIP	ONE YEAR MEMBERSHIP	TWO YEARS + FREE HARD BINDER
UK MEMBERS	4.00	7.00	14.00
OVERSEAS EC MEMBERS	6.00	9.00	18.00
OVERSEAS WORLD MEMBERS	7.00	11.00	22.00

WE ONLY SUPPLY MEMBERS BUT YOU CAN ORDER AS YOU JOIN.
All prices include VAT and carriage to UK mainland. See base of order form for
overseas surcharges. We supply hardware orders to UK mainland addresses only.
(PLEASE PRINT IN BLOCK CAPITALS)

Name _____

Address _____

Postcode _____

Phone _____ Machine _____

Enter membership number (if applicable) or
NEW MEMBERSHIP FEE (ANNUAL UK 7.00)

Item _____

Item _____

Item _____

Item _____

ALL PRICES INCLUDE UK POSTAGE & VAT £

Cheque/P.O./Access/Mastercard/Switch/Visa (Switch Issue No. _____)

Card expiry date _____ Signature _____

Cheques payable to: **SPECIAL RESERVE**

P.O. BOX 847, HARLOW, CM21 9PH

Overseas Orders Surcharge (EC or World)

Software orders please add £2.00 per item. Non-software items
please add 25%. Hardware items supplied to UK mainland only.

Overseas orders must be paid by credit card.

Order/Confirmation/Receipt sent for every order.

We only supply official UK products. Official suppliers of all leading brands.
We sell games and peripherals all at amazing prices for Megadrive,
Mega CD, Master System, Game Gear, Super NES, Gameboy, NES,
Lynx, Amiga, Atari ST, PC, CD ROM, CD32 and Apple Mac.

Irrevocably some games listed may not yet be available.
We reserve the right to change prices and offers without prior notification.
PRICES CORRECT AT TIME OF GOING TO PRESS. 25.4.94 E & O.E.
Inter-Medates Ltd, 2 South Block, The Maltings, Sawbridgeworth, Herts. CM21 9PG.

COMMODORE AMIGA A4000 COMPLETE £995.99

CONSOLE SALE - INCLUDING OVER 40 MEGADRIVE TITLES AT
UNDER £20 EACH - CALL FOR A FREE CATALOGUE

>>



AcidVIDEO

Shiny company logos are all very well, but there's a raw flipside to all of that corporate video stuff. It doesn't have a name yet – it's too whacked out to be squeezed into a cosy



pigeon hole (although we've called it 'acid video'). It's the cutting edge of visual entertainment, and it's all happening thanks to the Amiga! Digital sound-samplers totally revolutionised pop music in the mid 80s – the Amiga is now doing the same for video. Weirdo videos are taking underground clubs and raves across the country to new-found heights, and you could be a part of it all.



With a few bits of kit, anyone can become an 'underground' video jockey. The best thing about it, is that you don't need all that expensive high-end gear to knock out the kind of mind-bending images on these pages. You've probably already got enough to get started already. Just an Amiga and a copy of *Deluxe Paint* alone is a ticket to trip-out city, if you know what buttons to push.

KIT FOR STARTERS

Forget Time Base Correctors, Toasters, kettles and microwave ovens – you won't be needing that lot for now. Here's a list of what you will need to get started, followed by a list of extra kit that will expand your

options a great deal. You'll notice that both lists are reassuringly short.

BASIC KIT:

Any Amiga
A home VCR
Deluxe Paint 4 (or AGA)

EXTRA KIT:

A genlock
A chromakey
A video digitiser
A hard drive
A second VCR
A camcorder
Check out the buyers' guide for info on the extras that suit your budget.

WHAT IS IT?

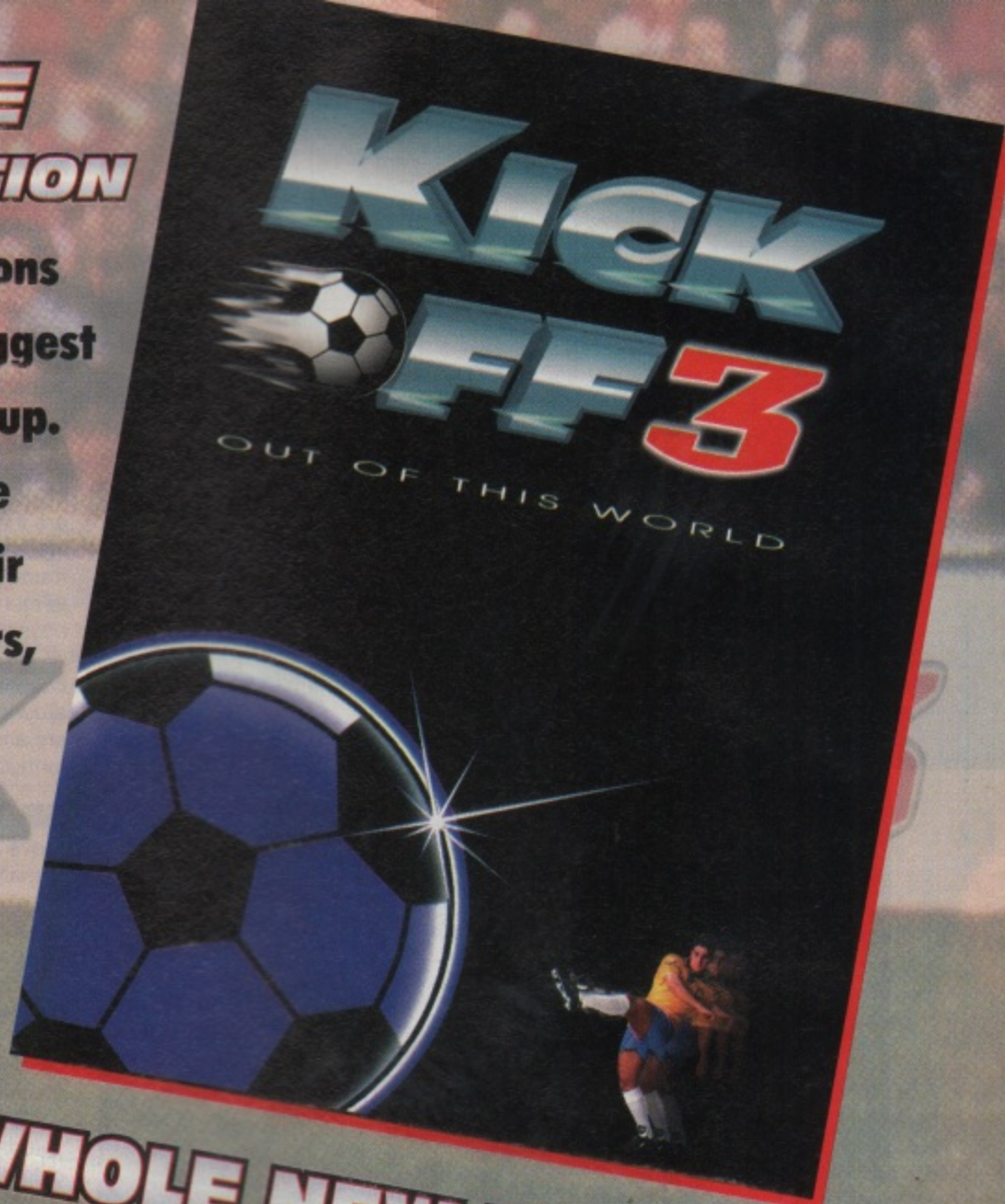
It can be absolutely anything you want it to be – there are no rules. The

EXPLOSIVE SOCCER ACTION

32 Top footballing nations
battle for soccer's biggest
prize - The World Cup.

The stage is set for the
worlds best players to display their
awesome skills. Flying Dutch wingers,
Masterful Brazilian Playmakers,
Powerful English targetmen. Every
team plays differently and no
two men perform in the
same way.

KICK OFF 3 - A WHOLE NEW BALL GAME



AMIGA

PC COMPATIBLES

KEY PLAYERS
Playmakers, Liberos, Sweepers give each nation a style of its own.

TOP LEVEL SOUND
The deafening sound of live soccer into your home.

OVER 2000 FRAMES OF ANIMATION
Fast flowing actions and multi-directional pitch scrolling.

INDIVIDUAL & TEAM PRACTICE
Sharpen up your skills before the big kick off.

TEAM TALK
Switch your tactics and change the game.

INSTANT PLAYABILITY
Control options to suit novice and master alike.

THIRTY DIFFERENT SET PLAYS
Give the most realistic dead ball situations ever.



ANCO

Published by Anco Software Ltd, Unit 7, Millside Industrial Estate, Lawson
Road, Dartford, Kent DA1 5BH Tel: 0322 292513 Fax: 0322 293422

ANCO



technology to sample any moving or still image is now available at 'affordable' prices, and the options for synthesising your own visuals is limitless. The question isn't so much 'what is it?' as 'what isn't it?'

TECHNOHEAD VJs

We've all heard of DJs. Now there's a new breed of club entertainer: the VJ. Video Jockeys are the ones responsible for the visuals that are titillating the eyeballs of clubbers and ravers at the more experimental parties around the world.

People are actually taking their Amigas out and gigging with them, live and direct for the hordes of sweaty party people at club nights — like Andy Weatherall's Sabresonic, Heaven's Megatripolis, The Ambient Club and stacks more regular and one-off events all over the country.

HEX

Matt Black of Hex and Cold Cut, is one of the new breed of VJs currently doing the rounds with his

A1200, a copy of *Deluxe Paint*, and a couple of video decks. Mixing visuals from video tape with spontaneous animations, created on the fly with *DPaint*, he takes the visual stimulation a step further than the strobe and spinning lights of your average do. Wild explosions of colour from *DPaint* are cut up with the clinical animation of a ray-traced sphinx, which rotates and zooms around the screen cloaked in a mass of video feedback fuzz. Then there are the slogans that worm their way into the subconscious, and stop-frame digitised animation loops, not to mention all the rest of the weirdness that defies description.

Hex and Matt Black can be caught at various clubs and parties around the country. Check your flyers and the music press for forthcoming gigs.

SP VISUALS

Steve and Pod are the S and P of SP Visuals. Using their Amigas to sooth the mind rather than hype it up, they supply the visuals for The Ambient Club, which has recently got off the ground in London. There's no wallet-busting hardware here — most of the images and animations are created on a single A1500 (I told you, any machine will do).

DPaint is the workhorse of the setup, responsible for most of the output. Inventive use of the animation features, and a good eye for what works has lead to them building up a bank of simple but very effective material.

SP Visuals are another collective who like to take their Amigas out with them and play live, but instead of relying on expensive video projectors to get their visuals to the masses, they use a clever concoction of slide projectors to combine transparencies of screens created on the Amiga.

For more info on SP Visuals, contact Pod on 081 341 0655, or Steve on 071 281 0512.

DEEP EVOLUTION

Exactly one year ago, we ran a small piece on Deep Evolution, an enterprising pair who had just released a 20-minute video called *CyberDream*, which was made up mainly of fractal effects, with a few digitised anima-

tions thrown in to spice it all up. Twelve months on, and Deep Evolution have progressed to far more impressive things.

Vision man Alix Pennycuik and DJ Steve Griffiths are now up to all sorts of things. They're the ones responsible for turtle picture which is gracing our front cover this issue. Deep Evolution is now a major force in club visuals. From a humble set-up of an A500 and a video recorder, they've now expanded the system to include AGA Amigas and video digitising facilities. Provisionally titled *Narcotix*, the follow up to the *CyberDream* video looks like it'll be a massive leap forward, with all kinds of new effects and tricks coming into play.

The turtle shot is a frame from a looping animation, which sees the aqua-tortoise flying through a plane that has sky both above and beneath, converging at a horizon in the distance. The turtle was grabbed from a video, cut-out, and then put over the sky backdrop, which was mirrored to give the effect of a second sky on the ground. It's nothing you couldn't do with the simplest digitising setup, and looks just amazing when it moves!

Combinations of digitised images and rendered objects courtesy of Real 3D make up a lot of the rest of the video. Even more mind-twisting is the sequence that has a head being sucked down a plug-hole, and lightning fast tunnel sequences.

Steve and Alix have even written part of the 40 minute video's soundtrack with *OctaMED*, and mixed in other MIDI music and bits and pieces from Steve's vinyl collection.

The real test of all this is in a party situation, and so far, the boys have had no complaints. Playing out at some of the top nights in the North and Midlands, Deep Evolution have been entertaining the crowds with a variety of visuals, with techno-tunnels and computer generated imagery for the more ravey nights, through to short loops from old B-Movies, and digitised 'real world' images for the handbag clubs.

For more information on the forthcoming video, or the live Deep Evolution experience, contact Alix on 021 443 3223. Thanks go to UDO



Not just another ball game...!

SIERRA SOCCER

World Challenge Edition



SIERRA SOCCER - World Challenge Edition is not just another ball game. It's a whole new concept in soccer simulation, with a level of realism never achieved before.

Dribbling, Heading, Passing, Shooting, Lobbing and Volleying, specially designed corner and free kick features combine to give you the most comprehensive playability in a soccer game to date.

So when the referee blows that whistle, try that diving header, take that spectacular free kick, make that great run through the middle and who knows, you could be good enough to make the World Challenge Cup Final!

Features:

- 1 to 8 players
- Adjustable game duration of 2 to 20 minutes
- Over 500 team members, each with own ability levels
- 26 of the World's top teams
- Option to create over 40 new teams
- In-game substitution and formation changes
- VCR style replay includes slow-motion and freeze-frame

- Digital sound effects and speech
- Over 4000 animated player images
- Penalty shoot-outs
- Free-kick practice
- Ref, linesmen, physio and stretcher team animations
- And much, much more...!

Base configuration:

A500, 1 Mb of RAM
Compatible with all Amigas including A500+, A600
Enhancements for A1200, A3000 & A4000

«Frankly it looks excellent» - «It's shaping up to be a cracker» «In fact, Sierra Soccer could well turn out to be the dark horse of the season» - AMIGA ACTION

«An especially high level of artificial intelligence that really makes the players work like a team» -

JOYSTICK



A Dynamix Production

SIERRA

Sierra On-Line • 4 Brewery Court • Theale • Reading • Berks • RG7 5AJ • Telephone no : (0734) 303 171

© and/or TM designate trademarks of, or licensed to Sierra On-Line, Inc. All rights reserved.



BUYERS GUIDE

You've seen what the experts can create on their Amigas, now for the definitive guide on the hardware and software needed for Amiga video and graphics. Plus: A complete run down of the latest Amiga paint programs!

With the AGA chipset now present on all production Amigas, you might be forgiven for thinking that the demand for graphics cards would have diminished, but in reality more Amiga users than ever want to improve their visual style.

All the currently-available Amiga graphics cards offer 'true' 24-bit colour, which allows any pixel to be a colour picked from a palette of 16 million shades. Most of these cards work at very high resolution, and the better ones have a video output quality which is good enough for television companies to broadcast directly.

Graphics cards generally come with a paint program of some description, aimed at taking advantage of the superb colour range, and the extra speed made possible by the more direct way the colour data is stored.

All these cards are designed to fit inside a 'big box' Amiga, which rules out the A1200 and lesser machines. They provide an excellent way for A2000 and A3000 users to get better-than-AGA graphics. In general they all use an Amiga graphics standard called EGS, and if you are considering buying a graphics card you should try to get one that complies with EGS. This standard is a way of allowing different graphics cards to remain compatible. EGS creates a common set of library calls, which means any EGS program will run on any card. A popular EGS-compatible program

Graphics Cards

is *TV Paint*. For value for money we recommend the *Picasso II* from First Computer.

RETINA

One of the first true colour graphics cards, the Retina is still a bit special. Not only does it come with the embarrassingly-named *VDPaint*, but it also manages to emulate the Workbench display which means a single monitor is required. Many existing programs will run directly through the Retina system which makes integrating it into your own system quite easy. One of its strongest features is the ability to link it with MacroSystem other's cards (VLab for example) to produce a very impressive image capture and display system.

Name: Retina
Price: From £329
Supplier: Amiga Centre Scotland
Tel: 0896 87583

PICASSO II

Widely hailed as the best general-purpose graphics card ever, the Picasso card is basically a drop-in replacement for the existing Amiga graphics chipset.

The video pass-through means you only need one monitor to see the improvements.

Although it is not the fastest card ever, the Picasso is probably the best at coping with the Amiga's standard Workbench system.

Recommended.

Name: Picasso II
Price: £299 (1Mb)
£335 (2Mb)
Supplier: First Computer Centre
Tel: 0532 319444

RAINBOW III

The Rainbow is one of the most expensive video cards ever, due to the rather generous 4Mb of high-speed video RAM (more than enough for multiple high resolution, true colour screens) and the extra fast graphics chip used.

The fact that a 32-bit card requires an A3000 or A4000 in order to work may have something to do with it as well.

The Rainbow is also one of the fastest graphics cards available. It comes with EGS support as standard, which means a new-look

Workbench (but no software to run on it). It can use *TV Paint*.

Name: Rainbow III
Price: £1699
Supplier: ChartScreen
Tel: 0425 475515

SPECTRUM

It might be cheap, but the Spectrum is still one heck of a graphics card. It comes with either 1 or 2Mb of RAM, and can support the EGS standard. An on-board blitter keeps up the pace, and takes advantage of the new slots in an A4000 (if you have the right buster chip). Only one monitor is required, as a special video pass-through system is used.

Multiple cards can be fitted to the same Amiga, which allows for really huge multiple-monitor displays. It also runs *TV Paint* perfectly, so the Spectrum is one of the cheapest ways to get EGS compatibility.

Name: Spectrum
Price: £349 (1Mb)
£399 (2Mb)
Supplier: Silica
Tel: 081 309 1111

OPALVISION

This was a card that promised so much — even as much as being the PAL answer to the video toaster. Sadly, not many of the promised options have become available, but it

remains a mighty fine graphics card. OpalVision comes with a vast hoard of support software which really puts the other cards to shame. The *OpalPaint* program is excellent (rivaling *TVPaint2*) and the other items of software demonstrate the ease with which the Opal system integrates with existing Amiga graphics. As it connects to the Amiga's internal video slot, an extra monitor isn't required.

Name: OpalVision
Price: £350
Supplier: Indii
Tel: 0543 419 999

HARLEQUIN

The Harlequin is a broadcast standard video card, which has been used many times by professional video companies. The video output is rock solid, and the list of features is impressive, with an internal 8-bit alpha channel and double buffering options. Software support is good too — most of the top graphics packages can be used with it.

A second monitor is needed to see what Harlequin is up to, but watching *Real3D v2* using the card to render on a separate display is a great way to prove the Amiga's graphical dominance to passing PC users. There are many different versions of the Harlequin, each with differing amounts of video RAM and various optional genlocking options.

Name: Harlequin
Price: from £800
Supplier: Amiga Centre Scotland
Tel: 0896 87583

SPECIAL EFFECTS

A keyer is the shortened name of a 'chromakey', a miraculous video device which is used all the time in professional TV studios. A specific colour in a live video signal can be forced to become transparent, allowing the computer graphics underneath to show through. For example, in a TV studio a weather man or woman stands in front of a large blue sheet. The blue colour is keyed out, and replaced by a computer-generated weather map, complete with animated clouds and raindrops. Both *CineMorph* and *Morph Plus* are capable programs, although *Morph Plus* has our vote.

ROCKEY

This provides about the best fun you can have with video and its uses will really only be limited by what you can dream up for it. If you want to make some professional looking demo videos, then you must get hold of one of these. You will also need to get hold of a normal genlock (the Rocgen looks well beside it). Getting the lighting right takes time, but with lumakeying and chroma keying options, this is one smart box of tricks. If you already have a genlock, rush out and buy one of these now.

Name: Rocky
Price: £129.95
Supplier: Silica
Tel: 081 309 1111



A SWITCH IN TIME?

A Time Base Corrector is essential if you need to combine two live video signals. The problem with video is that to mix it properly using fancy dissolves and overlays rather than basic edits, you need to synchronise the incoming signals perfectly. Each video frame changes fifty times a second, and the start of each frame from both sources must be matched perfectly. This is where a TBC comes in, providing the complex circuits needed to 'sync' together two video sources. The Amiga Centre Scotland have recently released their Tri-Code TBC, which is well worth investigating.

Name: TriCode
Price: £TBA
Supplier: Amiga Centre Scotland
Tel: 0896 87583

Alternatively, GVP also produce a TBC, cunningly called the GVP TBC, which provides everything you'll need in a TBC - CU AMIGA will hopefully have a full review of these next month.

Name: GVP TBC
Price: £TBA
Supplier: Silica
Tel: 081-309 1111

GENLOCKS

A Genlock is a piece of hardware which is vital for superimposing computer graphics over real, live video. The mixing can be very difficult. The signals need to be synchronised, and certain colours in the computer video signal must be made transparent to allow the live video to show through.

The more you spend, the better the quality of the output signal, and the more features. With better genlocks it is possible to fade in and out one or both of the two images, pick the colour you want to make transparent or even invert the transparent colour. We strongly recommend the GVP G-Lock.

MINIGEN

How can you possibly go wrong at this price? The Minigen is an ideal first genlock and will open the door to all sorts of video effects. The image quality, admittedly, is far from perfect, but it works well, especially with live video from a camcorder.

Name: Minigen
Price: £49.95
Supplier: Lola Marketing
Tel: 0858 880182

MINIGEN PLUS

Add £100 and you get some extra keying options, a fader and an extra RGB output for monitoring. The picture quality is better than the Minigen, but far from exceptional.

Name: Minigen Plus
Price: £149.95
Supplier: Lola Marketing
Tel: 0858 880182

ROCGEN PLUS

An altogether classier genlock, the Rocgen offers good image quality at a very reasonable price. It will fade and dissolve very smoothly, and is

worth the extra if you are thinking of getting into Desktop Video.

Name: Rocgen Plus
Price: £149
Supplier: Silica
tel: 081 309 1111

VIDEOCENTRE

Now here's something that looks a bit special - the VideoCentre from G2 costs a lot more, but delivers some really top-notch effects. It works with SVHS or normal VHS, and offers all the standard genlock features and more besides - a miniature joystick controls video 'windows' of different shapes and also some rather advanced wiping effects. A recent price cut makes it excellent value for more serious video buffs.

Name: VideoCentre
Price: £495
Supplier: G2
Tel: 0252 737151

G-LOCK

Possibly one of the most techie looking genlocks available is the G-Lock from GVP. Don't let the little-black-box put you off: there are more features crammed in here than a typical issue of CU AMIGA. Not only are the normal fading and mixing effects here in abundance, but the G-Lock will also cope with the much crisper SVHS video standard, as well as providing an integrated audio mixer. To top it all off, all G-Lock's features are totally under the software control of ARexx which makes it ideal for those willing to experiment. Definitely a bargain at the current price.

Name: G-Lock
Price: £299
Supplier: Silica
Tel: 081 309 1111

SCANNERS AND FRAME GRABBERS

As far as computers are concerned, there are two types of images - those which appear as real live video, and digitised graphics. Turning one into the other is quite tricky, and will require extra hardware. If you want to use your computer and *Deluxe Paint* to process pictures taken from your video recorder or camcorder, you first need to digitise them. This process measures the levels of the primary colours: red, green and blue and uses this information to reconstruct the image on-screen in a standard image format. This image can then be loaded into a program such as *Deluxe Paint* for the customary adding of ridiculous moustaches. Some digitisers can even capture sequences of video, which can then be used for animation purposes.

For images which exist as printed pictures, such as an ordinary colour photograph, you'll need a scanner. Scanners come in two types: hand scanners, and flatbeds. Hand scanners, especially black and white ones, are relatively cheap. Their great advantage is that you don't need a video signal, any picture will do. Their disadvantage is the quality of picture isn't perfect. Simple line drawings work the best, but the results from hand scanning full-colour photographs won't be as good as pointing a video camera at the picture and digitising it.

On the other hand, flat bed scanners give astonishingly good results - much, much better than video. The larger ones operate a lot like photocopiers, and can capture pictures at very high resolutions (800 dots per inch for example) in true 24-bit colour. For digitizers we recommend VLAB, whilst the Epson GT8000 gets our recommendation for scanners.

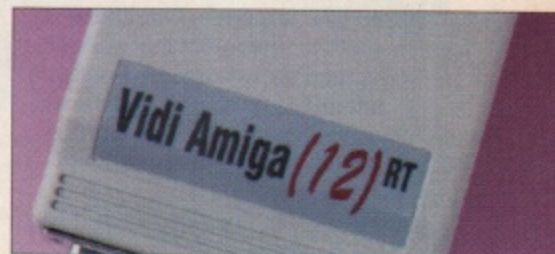
VLAB

From the same manufacturers as Retina, VLAB is an excellent piece of video grabbing hardware. It's available as a Zorro card, or as a box which connects to the parallel port, but the Zorro versions are a lot faster. Image quality is top notch, and the SVHS version can be used to digitise entire sequences of video by making several automated passes.

Name: Vlab
Price: from £289
Supplier: Hobbyte
Tel: 0727 856005

VIDI

Rombo seem to have been churning out high quality/low price video digi-



tisers for yonks now, and a large percentage of Amiga owners either have or want a Vidi12 for their Amiga. With care, the image capture quality is pretty good and as all models of VIDI can be upgraded they are a good place to start. The Real Time versions make capturing colour images from live video footage possible.

Name: VIDI
Price:
(Vidi12) £99.95
(Vidi12RT) £199
(Vidi24RT) £299
Supplier: Rombo
Tel: 0506 414631

VIDEOMASTER

One of the first PCMCIA peripherals, VideoMaster will grab video frames and sound in real time directly into the memory of the A1200. If you experiment, you can create some amazing results, and the new software will allow standard IFF animations to be created. Videomaster will also grab colour full-sized screens with quality comparable or better than Vidi12.

Name: VideoMaster
Price: £79.97
Supplier: HiSoft
Tel: 0525 718181

JX100

With a scanning resolution of up to 200DPI in 18-bit colour, this miniature flatbed gives some amazing results. The supplied software is a bit old these days, but *ImageFX* will drive it directly. Recommended.

Name: JX100
Price: £399
Supplier: Silica
Tel: 081 309 1111

EPSON GT6500/8000

For top of the range scanning, these Epson devices are the bee's knees. With scanning resolutions in the thousands of dots per inch, these devices will scan an A4 page for you in monochrome, greyscale or 24 bit colour. The ultimate!

Name: GT6500/8000
Price: £599/£849
Supplier: Power
Tel: 0234 273000

» IT'S ALL IN A TITLE

Own a genlock is only half the story, you need software to help create and manage the graphics you wish to display. It's possible to get by with a program such as *Deluxe Paint*, but a dedicated titler is a better bet. These range from a program that does little more than allow text to be displayed in different fonts and moved up and down the screen, through to a true multimedia development platform which will handle animations and sound effects. For video titling it has to be *Video Stage Pro*.

BIG ALTERNATIVE SCROLLER 2

Simple, fast and basic. Allows titles to be entered and displayed in a variety of ways, nothing complex, just simple and easy.

Name: Big
Alternative Scroller 2
Price: £59.99
Supplier: Emerald
Tel: 081 715 8866

VIDEOSTAGE PRO

A great drag and click interface, and plenty of options makes the latest *VideoStage* more than capable of generating your titles.

With an *ARexx* compatible genlock such as GVP's G-Lock, some extremely advanced effects are quite possible.

Name: VideoStage Pro
Price: TBA
Supplier: Meridian
Tel: 081 543 3500

SCALA

More an authoring package than a video titling system, *Scala* is renowned for its ease of use and professional results.

Super smooth fonts with many different effects makes it the top of the range titler.

Name: Scala MM210
Price: £149.99
Supplier: Emerald
Tel: 081 715 8866

LET'S GET ANIMATED



Most paint programs handle animation as standard – certainly both *Deluxe Paint* and *Brilliance* can be used to knock up some high-quality shorts. There are, however, several programs which exist only to aid in the development of animations. These programs offer an 'onionskin' feature whereby previous frames can be seen faintly as you draw a new one, in the same way as a traditional animator would use several sheets of cells stacked one on top of the other. If you're into animations then you should consider one of these, although we prefer the more pricey *Disney Animation Studio*.

DISNEY ANIMATION STUDIO

A good place to start is the *Disney Animation Studio*. It offers many features a beginner will need, and can

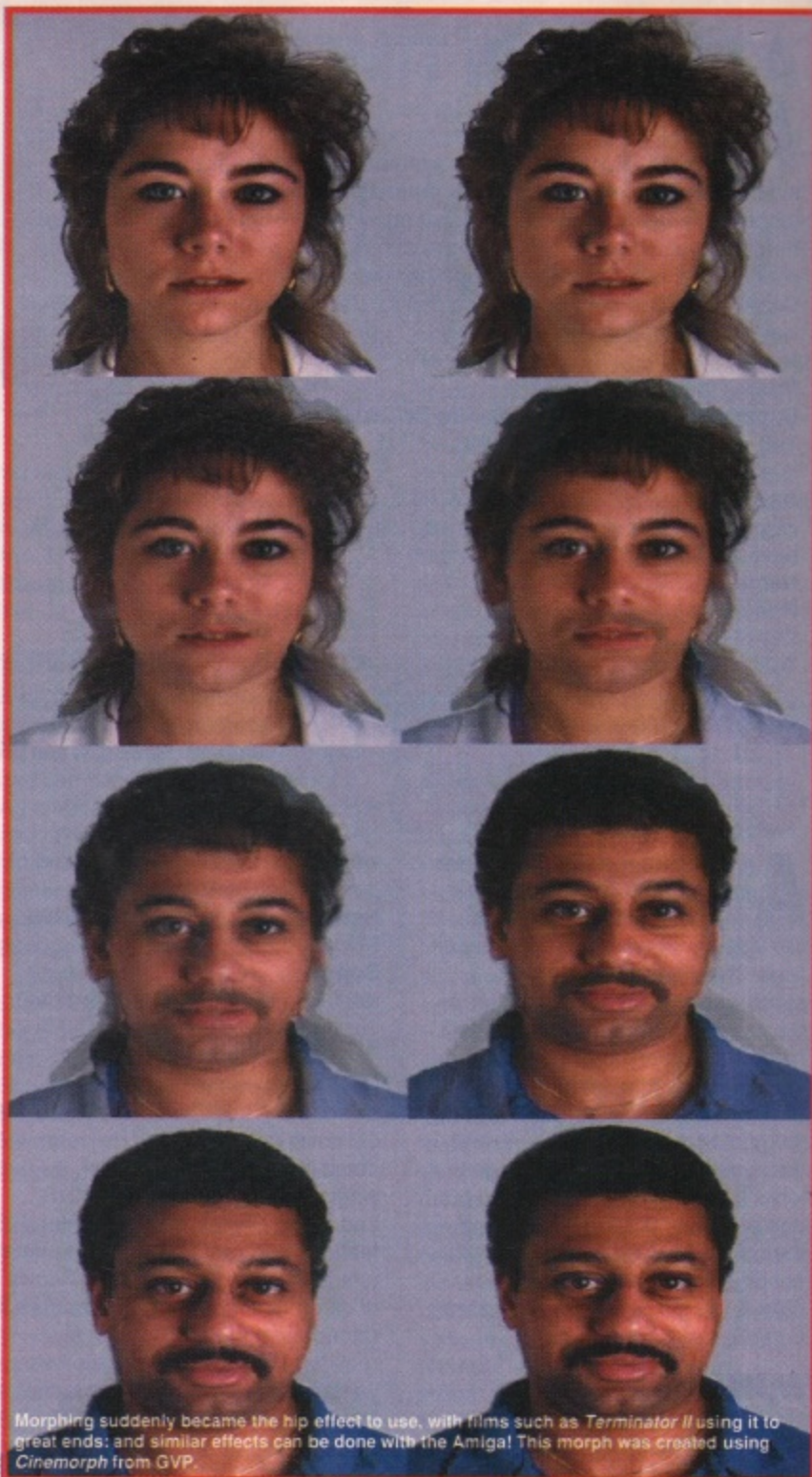
produce reasonable anims, although advanced users may find it limiting.

Name: Disney Animation Studio
Price: £79.99
Supplier: Infogrames
Tel: 071 738 8199

HANNA BARBERA ANIMATION STUDIO

This package is aimed more at younger users, and as such doesn't have as many features or capabilities. It can still create some basic animations though. (See the review on page 108 of this issue for more details.)

Name: Hanna Barbera Animation Studio
Price: £49.99
Supplier: Empire
Tel: 081 343 7337



Morphing suddenly became the hip effect to use, with films such as *Terminator II* using it to great ends: and similar effects can be done with the Amiga! This morph was created using *Cinemorph* from GVP.

MORPHING CRAZY

Recently everyone needed to be able to morph to images. Why exactly this was so is open to question, but suddenly the ability to transform two images over several steps has become a much sought after feature.

CINEMORPH

GVP's first venture into software brought forth *CineMorph*, which is actually included in the image processing program *ImageFX*. It works by stretching a grid over the two images. The position of the points on the grid forms focal points for the image transformation, and when done properly the finished animation is impressive.

Name: CineMorph
Price: £25

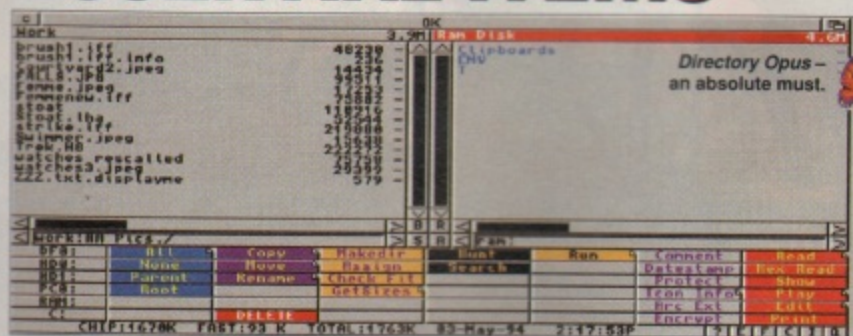
Supplier: Silica
Tel: 081 309 1111

MORPH PLUS

MorphPlus is the rival system from long-time Amiga graphics experts ASDG. *MorphPlus* is a set of extra plug-in operators for *The Art Department Professional*, and besides morphing (or warping), various other effects (spiral blur, twisting, perspective) are provided with typical *AdPro* control. *ARexx* makes creating complicated processes possible, although the animation support is still a little tricky to get to grips with.

Name: MorphPlus
Price: £139.99
Supplier: Silica
Tel: 081 309 1111

ESSENTIAL ITEMS



The following is a collection of general utilities and programs that CU AMIGA highly recommend. If you intend to work with graphics or video on your Amiga, you'll appreciate the power and flexibility that these programs provide.

IMAGEFX

At last, a true rival for *AdPro*. *ImageFX* offers just about everything that *AdPro* does (load and save images in every file format you can think of, process the image in a zillion ways in between) but does it in a different way. The image is always displayed on-screen, which means you can actually draw on it or specify sections to process. You might prefer this approach, but somehow *AdPro* has a more stable feel to it.

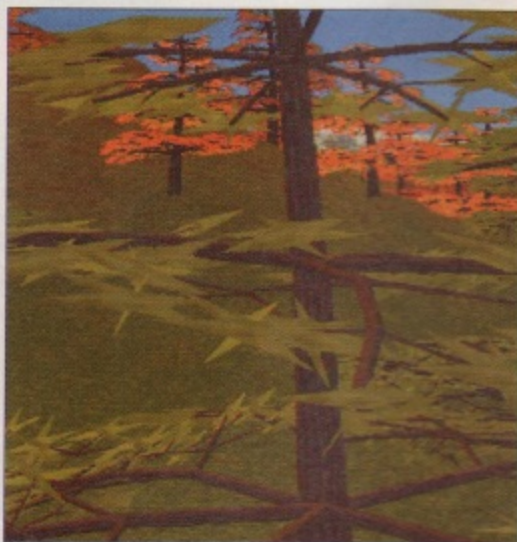
Name: ImageFX
Price: £199
Supplier: Silica
Tel: 081 309 1111

ART DEPARTMENT

The King of Amiga graphics programs has recently been given its most impressive upgrade yet. Out is the familiar grey button festooned screen. In is the increasingly common multiple window freeform interface. The same features are here, but support for a multitude of graphics cards has been added. Still the best choice for all sorts of image manipulation.

Name: Art Department Professional 2.5
Price: £199.95
Supplier: Meridian
Tel: 081 543 3500

With Amiga software such as *Vista* you too can create a pretty picture.



VIDEO TOASTER

In America, the Video Toaster is the one peripheral which has sold more Amigas than any other. At one point, it was even possible to buy a complete Video Toaster system without knowing there was an Amiga inside. The Toaster is an NTSC-only video manipulation system. It offers just about everything that a professional TV studio or production house could need, from simple video titling to astonishing special effects which put dedicated equipment to shame. Included in the Toaster package is *Lightwave*, the most advanced 3D rendering system the Amiga has ever seen. More powerful than *Imagine* and *Real 3D* rolled into one, *Lightwave* has been used in many television programmes to generate everything from submarines (*SeaQuest DSV*) to spaceships (*Babylon 5*).

Newtek are currently in negotiations with several UK companies to establish a distribution network and make the Toaster and its powerful 3D image creation software – *Lightwave* – available in the UK. CU AMIGA will bring you full details just as soon as they are available.

DIRECTORY OPUS

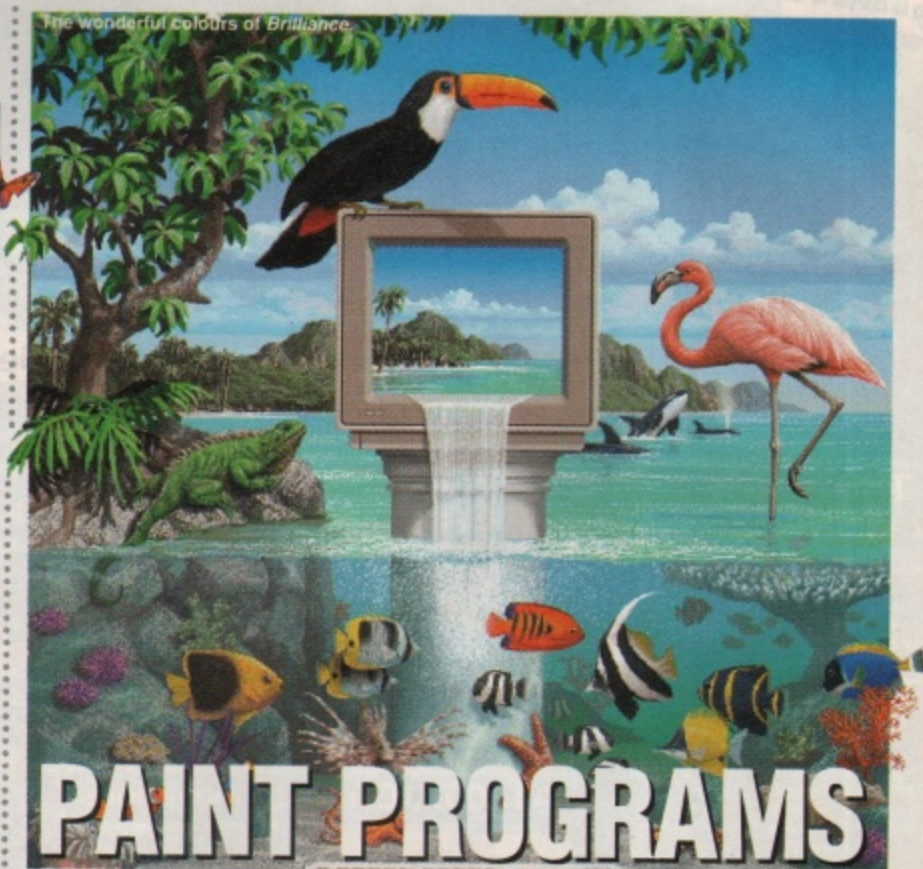
Possibly one of the most useful Amiga programs ever written, *Directory Opus* soon becomes a vital part of your Amiga. Not only does it make copying and moving files a lot easier, but you can view images, listen to samples, use archiving tools, alter dates and protection flags – in fact, anything you can do from the Shell or Workbench.

Name: Directory Opus
Price: £49.95
Supplier: Emerald
Tel: 081 715 8866

VISTA PRO

Vista is a program which can be surprisingly useful for quickly knocking up a few backdrops for genlocking or painting purposes. The 'Lite' version will work in only 2Mb of RAM which means even owners of unexpanded A1200s can experience the joys of terraforming.

Name: VistaPro Lite
Price: £39.99
Supplier: Emerald
Tel: 081 715 8866



The Amiga is very well served with excellent paint programs. Most borrow heavily from the grand-daddy of them all, *Deluxe Paint*, which is the standard against all others are judged. How do the current batch of programs compare? Would the contenders take to the ring please...

DPaint

Price: £99.99
Supplier: Electronic Arts
Tel: 0753 549442

DPaint was originally the program chosen by Commodore to be included with Amigas – and remained so until recently. Over the years *DPaint* was upgraded and improved, to the extent that is now both powerful and very user friendly. It is probably one of the most used Amiga applications.

DPaint is a classic Amiga application with menus along the top, tool bar down the right-hand side and a drawing area in the middle. Pressing F10 on the keyboard removes the menu and toolbar allowing you to draw over the entire screen area. Features include all the basic drawing/ painting tools you'll need, simple text entry control, flexible block handling (allowing you to cut, paste and distort sections of a picture), and a respectable number of image manipulation facilities letting you rescale, rotate, etc. You can also create small animations (dependent upon memory available). *DPaint* supports all the normal Amiga display modes and new enhanced AGA screen modes.

PERSONAL PAINT

Price: £59.95
Supplier: Meridian Distribution
Tel: 081-543 3500

Personal Paint has now replaced *DPaint* as Commodore's chosen

graphics program and has a very similar

look and feel. Unfortunately, however it doesn't support the AGA or HAM display resolutions or, for that matter, have any of *DPaint's* animation capability. The slow loading and saving times, and often confusing user interface may make you wonder why Commodore even considered *Personal Paint*.

Well it's not all bad. Not only can *Personal Paint* support different file formats, but it will also work with many third-party video cards (EGS and Picasso for example). It also has a number of file image processing facilities built in and has some impressive printing capabilities such as Postscript printing!

BRILLIANCE

Price: £149.95
Supplier: Meridian Distribution
Tel: 081 543 3500

Whilst *DPaint* and *PPaint* may be slugging it out, another application, *Brilliance*, is far in advance.

In the Jan issue of CU AMIGA we compared *Brilliance* with *DPaint* and came to the resounding conclusion that *Brilliance* 'was the only Amiga graphics package that can take *DPaint* on and win'. *Brilliance* offers all the tools that *DPaint* has, but improves most of them.

Brilliance has a vast range of drawing and painting tools, pretty similar block/brush handling, support for the AGA resolutions, animation and similar brush effects.

In conclusion, *Brilliance* is quite simply the best graphics package on the Amiga, and extremely deserving of the CU AMIGA 91% we gave it. **CU**

Harwoods have been established since 1955 providing Computer Systems since 1982. We always emphasise our quality of service which includes facilities that you may be charged for elsewhere...

the harwood Directory

Harwood
GOLD
Service

In Derbyshire, Nottinghamshire and by Mail Order...
NATIONWIDE! Always with speedy delivery!

THE APPLE ALTERNATIVE...

If you've ever thought about moving from the Amiga to a PC, then why not consider the alternative offered by new lower cost Apple Computers! Apple is the worlds largest seller of personal computers, which like Amigas, operate with the easiest icon based windowing system - not unfriendly DOS as found on IBM compatibles - that's why Apple have always been the leader in DTP/Graphics and Creative Business applications. Now, with more and more entertainment and educational software available too, plus new pricing policies - an Apple won't cost as much as you thought! With a vast range of expansion possibilities it's the system of the future!

IF YOU'D LIKE TO KNOW MORE ASK FOR YOUR FREE APPLE INFO PACK!

MACINTOSH LCIII



Apple LCIII 4/80 (4Mb. RAM with an 80Mb. Hard Drive) Keyboard II
Apple 14" Colour Plus Hi-Res Monitor
On-site Maintenance
Clarix Works
FREE Starter Pack worth £30!
(see details of items marked below)

SAME LCIII PACK WITHOUT: On-site, Clarix Works, Starter Pack JUST £764.95

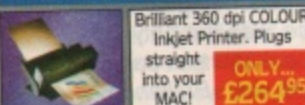
MACINTOSH LC475 Super Saver Bundle



Apple LC475 4/80 (4Mb. RAM & 80Mb. HD) or 8/160 (8Mb. RAM & 160Mb. HD)
Keyboard II
StyleWriter II Mono 360dpi InkJet Printer with sheetfeeder & cable
Apple Colour Plus 14" Hi-Res Monitor
On-site Maintenance
Clarix Works
FREE Starter Pack worth £30!
(see details of items marked below)

4/80 £1294.95 8/160 £1439.95

HP DeskWriter



Brilliant 360 dpi COLOUR Inkjet Printer. Prints straight into your MAC!
ONLY... £264.95

SEE DETAILS BELOW FOR ITEMS MARKED WITH A ♦

FREE



CLARIX WORKS
Fully Integrated Word Processor, Database, Draw/Graphs, Spreadsheet, Graphs/Charts & COMMS s/w
WORTH OVER £100!!!



FREE FULL 1YR ON-SITE MAINTENANCE!
Simply phone & an engineer will be with you the next working day

FREE STARTER PACK Worth OVER £30!

♦10-DS/HD Disks ♦ Mouse Mat ♦ Disk Head Cleaning Kit ♦ Mouse Mechanic

CHOOSE FROM THREE GREAT AMIGA A1200 COMPUTER PACKS!!!

That's right... Now you have a better choice of Amiga 1200 Packs and, whichever one suits you is also available with optional Hard Drive configurations - ALL at some of the most competitive prices around! PLUS... at Harwoods you receive an **EXCLUSIVE JURASSIC STARTER PACK FREE WITH EVERY AMIGA!!!** If you're also looking for a Printer, Monitor or any one of a vast array of Amiga peripherals or accessories, then speak to us too... you could save £'s!

A1200... Combat/Innovations

NEW... Amiga A1200 Pack Announced:



Only... £349.95

THE LATEST Amiga A1200 Computer Combat/Innovations Pack is supplied with Total Carnage, Brian the Lion, Zool 2, Day by Day (filofax type planner), Wordworth 2.0 (Word Processor), Print Manager (for use with Wordworth) and Personal Paint V4 (advanced Paint Package with support for HAM, GIFF) plus a **FREE... JURASSIC STARTER PACK!**

FREE Jurassic Starter Pack worth almost £50 with ALL Amigas! (see details right!)

Great new pack with Games, Business and Graphics Software INCLUDED!!! See Hard Drive Versions below!!!

A1200... Race 'N' Chase



FREE Jurassic Starter Pack worth almost £50 with ALL Amigas! (see details right!)

OUR Amiga A1200 Race 'N' Chase Packs are supplied complete with... Nigel Mansell's Grand Prix, Trolls and a **FREE... JURASSIC STARTER PACK!**



Only... £299.95

A1200... Desktop Dynamite



Only... £349.95

OUR Amiga A1200 Desktop Dynamite Packs are supplied with Dennis, Deluxe Paint IV, Oscar, Print Manager and Wordworth plus a **FREE... JURASSIC STARTER PACK!**



FREE Jurassic Starter Pack worth almost £50 with ALL Amigas! (see details right!)

Hard Disk Drive Options...

A1200 HD OPTIONS	COMBAT INNOVATIONS	RACE 'N' CHASE	DESKTOP DYNAMITE
85Mb	£569.95	£519.95	£569.95
130Mb	£584.95	£534.95	£584.95
200Mb	£629.95	£579.95	£629.95
250Mb	£689.95	£639.95	£689.95

Shown in the table above are just some of the Hard Drive Options available. Phone us for details of other sizes too.

GREAT REASONS TO BUY FROM HARWOODS...

WHEN THERE ARE SO MANY DEALERS TO CHOOSE FROM WHY SHOULD YOUR CHOICE BE GORDON HARWOOD COMPUTERS?
Well just a few GOOD reasons are listed here...



WE AIM TO CONTINUE PROVIDING THE BEST SERVICE IN THE INDUSTRY

We have a **FREE SERVICE POLICY** which includes...
♦ **NEW** Replacements for faulty goods (in the first 30 days)
♦ **FREE** UK Mainland collection of major hardware units requiring warranty service in the first year (unless on-site warranty is applicable)
♦ **FREE** rapid courier return of serviced products
♦ **ACCESS** to our ex-directory Customer Technical Helpline

FREE JURASSIC STARTER PACK WITH EVERY AMIGA

JURASSIC PARK BY:



PLUS...
♦ **MOUSE MAT**
♦ **DUST COVER**
♦ **MICRO SWITCHED JOYSTICK**
WORTH **ALMOST £50**



OPTIONAL LIFETIME WARRANTY PLAN



REST ASSURED YOU'LL HAVE NO BILLS FOR YEARS TO COME!!!

You can choose to add an Extended Warranty to ANY hardware item from Harwoods - for less than you'd think! Take up to 5 years cover and at the end of that period extend again on an annual basis... Thus, a LIFETIME's PEACE OF MIND. What's more the warranty is fully transferable, enhancing resale values of your equipment! Even available on hardware you may have purchased elsewhere - Phone for details!



SEE PAGE 1

EE-02

Offers & Services are subject to availability and to being the latest advertised products, packs and prices. Please note our goods are not supplied on a trial basis. All Trademarks are acknowledged and are Copyright of their respective holders.

STOP PRESS...STOP PRESS...STOP PRESS...

JUST LOOK BELOW AND SEE HOW TO MAKE YOUR A1200 THE 'ULTIMATE PERFORMANCE'

AMIGA SYSTEM AND CONFIGURATION TESTED...	MIPS
Standard Amiga A500-600-1500-2000 (unexpanded)	0.55
Standard Amiga A1200 (unexpanded)	1.33
Amiga A1200 & Blizzard 1204 4Mb RAM Card (AMF Gold Award)	2.94
Amiga A1200 & Blizzard 1220 4Mb & 28Mhz 68EC020 Accelerator	5.05
Amiga A1200 & Blizzard 1230 4Mb & 40Mhz 68EC030 Accelerator	7.06
A NEW FASTER REPLACEMENT FOR THE AWARD WINNING 1204!!!	
Standard Amiga A4000 '030 (2Mb Chip RAM, 4Mb Fast RAM)	4.43

All the above tests were performed using SysInfo Version 3.18

SEE PAGE 3
FOR FULL
DETAILS OF
THE AMAZING
BLIZZARD
RANGE OF
PRODUCTS
(ESPECIALLY
THE NEW
1220) TO SUIT
YOUR AMIGA
AND AT A
PRICE TO SUIT
YOUR POCKET!

GREAT VALUE POWERPLAY GAMES PACK



HARWOODS EXCLUSIVE POWERPLAY GAMES PACK

GREAT BUNDLE OF 18 EXTRA GAMES
TO ADD TO YOUR AMIGA. YOU WON'T
NEED TO BUY MORE FOR AGES!!!
Xenon 2 Megablast*, Stir Crazy, TV Sports
Football, Hostages, Jumping Jackson, Bubble Plus,
Bloodwych, Tin-Tin on the Moon, Krypton Egg,
Purple Saturn Day, Eliminator*, Skychase, Safari
Guns, Lombard RAC Rally, Captain Blood, Strike
Force Harrier*, Sky Fox II and Lancaster
only... **£19.95** *Not compatible with
A1200/3000/4000

AMIGA CD32 SPECTACULAR VOYAGE

NEW...NEW... Amiga CD32 SPECTACULAR VOYAGE PACK

Including great games...
MICROCOSM AND CHAOS ENGINE
Plus While Stocks Last...
DANGEROUS STREETS,
DIGGERS, OSCAR AND
WING COMMANDER!!!



ONLY... **£249.95**

AMIGA MONITORS FOR EVERYONE



NOW AVAILABLE
WITH STEREO
SPEAKERS TOO!!!

MICROVITEC AUTOSCAN 1438 14" Colour Hi-Resolution MultiSync

.28 Dot Pitch Colour Hi-Resolution Monitor
(requires separate speakers). This one is ideal
for ALL Amigas, ST's, PC SVGA, Acorn etc...
Conforms to the stringent Swedish MPR2
ClassB emission standards. A FANTASTIC 14"
DISPLAY AT A FABULOUS PRICE...

Without Speakers... **£289.95**

with External
Stereo Speakers... **£319.95**

PHILIPS

PHILIPS PRO 2000 15" COLOUR SUPER-RES MONITOR/TV

The best of both Worlds - A Quality Computer
Display AND fully featured FST High Definition
TV in one! Infra red, FastText Teletext, Loop
Aerial, Headphone Socket complete with FREE
leads to your Amiga!
a Brilliant
Combination... **£229.95**



NEW
LOWER
PRICE!

COMMODORE 1084S COLOUR

14" STEREO COLOUR
Including all Leads, Dust
Cover etc. An ideal first
time monitor at a great low
price...
Limited
Stocks: **£199.95**

COMMODORE 1942 COLOUR

14" COLOUR STEREO
Inc. Leads, Dust Cover etc.
(for A1200's/3000's/4000's)
.28 Dot Pitch and at a new
lower price
Great
Value: **£349.95**

AMIGA VIDEO IMAGING PRODUCTS



ROMBO VIDI 12
New Version 2.0

£74.95

ROMBO VIDI 12
Sound and Vision

£94.95

ROMBO VIDI 12
Real Time

£169.95

ROMBO VIDI 24
Real Time

£239.95

VALUE PACKED AMIGA PRINTERS

ALL our printers are supplied for immediate use including cable,
paper and labels FREE OF CHARGE! Dot Matrix models also come
with a tailored dust cover FREE. Specific Amiga driver software is
included with EVERY printer FREE (eg. with Citizen this is the
excellent Print Manager Version 2 driver).

CITIZEN

COMPUTER PRINTERS

New Colour



Printer just announced with...

CITIZEN PRINTER RANGE...

120D+ - 9Pin Mono	£129.95
Swift 90 - 9Pin Mono	£149.95
Swift 90 - 9Pin Colour	£164.95
Swift 200 - 24Pin Mono	£179.95
Swift 200 - 24Pin Colour	£189.95
Swift 240 - 24Pin Mono	£204.95
Swift 240 - 24Pin Colour	£229.95

NEW CITIZEN ABC PRINTER...

"A Printer for Everyone that can be Used by Anyone".
Compact, easy to use new Citizen. Ideal for first time buyers but
with capabilities to grow as your needs increase. Superb 24Pin
clarity in mono (or colour with an optional kit) on standard cut
sheet paper (50sht feeder supplied as standard), sprocketed
paper, overhead slides, envelopes etc. and very quiet too!

Citizen ABC 24 Pin Mono Printer **£139.95**
Citizen ABC 24 Pin Colour Printer **£164.95**

NEW CITIZEN PRINT MANAGER VERSION 2...

Supplied FREE with all Citizen Printers! Higher printing resolutions and
more control of your Citizen. Makes all your printing EASIER to perform.
Please ask us if you require full details.



star
MICRONICS

STAR DOT MATRIX RANGE...

LC100 - 9Pin Colour	£134.95
LC24-30 - 24Pin Colour	£214.95
LC24-300 - 24Pin Colour	£289.95

STAR LASER RANGE...

LS-5	£509.95
LS-5EX	£669.95
LS-5TT PostScript	£744.95



STAR THERMAL...
SJ144 COLOUR HQ that
can even print out both
sign and 'T' Shirt Designs
using special kits. Ask
for full details **£369.95**

Canon

CANON INKJET RANGE...

BJ10sx Mono - 360dpi	£199.95
(Black or Cream Casings available)	
BJ200 Mono - 360dpi,	£249.95
250cps with auto sheet feed	
BJ230 Mono - 360dpi,	£329.95
248cps, A4/A3, ASF	
BJC600s Colour - 360dpi	£544.95
240/170cps, 8 Fonts, 12 MTHS ON	
SITE MAINT. AVAILABLE - CALL	



PRICE
CRASH
ON ALL
CANONS!



Hewlett Packard **hp**

HP INKJET RANGE...

310 DESKJET - Mono	£229.95
310 DESKJET - Colour	£264.95
NEW MODELS...	
520 DESKJET - Mono	£269.95
560 DESKJET - Colour	£519.95

EXTRAS FOR YOUR PRINTER

WE ALSO STOCK A COMPREHENSIVE RANGE OF ORIGINAL
MANUFACTURERS' ACCESSORIES, PERIPHERALS AND
CONSUMABLES FOR CANON, CITIZEN, HEWLETT PACKARD
AND STAR PRINTERS. See details overleaf or phone us!

gordon

harwood computers

Order Hotline 0773 836781

NEW STREET ALFRETON DERBYSHIRE DE55 7BP
Facsimile 0773 831040



Harwood's have been established since 1982 providing Computer Systems since 1982. We always emphasize our quality of service which includes facilities that you may be charged for elsewhere...

the harwood Directory



In Derbyshire, Nottinghamshire and by Mail Order...
NATIONWIDE! Always with speedy delivery!

WHY BUY FROM HARWOODS?

- FREE DIRECT DELIVERY SERVICE**
- FREE WARRANTY COLLECTION** (see page 1 for full details)
- FREE HELPLINE SUPPORT**
- CREDIT & CHARGE CARD FACILITIES**
- FINANCE FACILITIES AVAILABLE**

WHY NOT TAKE A TRIP OUT TO VISIT US AND COME AND SEE OUR FULL ADVERTISED RANGE, AND MORE! EVERYTHING IS AVAILABLE AT THE SAME COMPETITIVE PRICES (Please see opening times). THERE'S PLENTY OF FREE PARKING CLOSE BY:

We are open...
MON TO SAT 9.00am to 5.00pm
SUNDAY 10.00am to 1.00pm



How to Order...

BY PHONE: Phone our Order Hotline with your Access, Visa, Mastercard, Connect, Delta, Switch or Lombard Creditcharge Card quoting card number & expiry date (most Dixons, Currys, and other "store" cards are Lombard Creditcharge and are happily accepted by us) & issue number where necessary (eg. Switch etc)

BY POST: Make cheques, bankers' building society drafts or postal orders payable to GORDON HARWOOD COMPUTERS. (Personal/business cheques take 7 days to clear from day of receipt whereupon your order will be despatched). Please send Name, Address, and most importantly if possible, a Daytime Telephone Number along with your order requirements. Please check you are ordering from our latest advertisement before ordering (phone if you require confirmation).

PLEASE: Please remember that for example "September Issue" magazines may be on sale during July, meaning that prices and offers advertised therein (which may appear up to date), could have been changed (we often have to provide artwork to magazines up to a month before the magazine is on sale). We therefore reserve the right to alter a specific item or pack price (either up or down) in the unlikely event of the cost price we pay changing. Please phone FIRST!

DELIVERY: Most items are available at TAX FREE PRICES to non UK residents and service personnel. Please contact us for confirmation of export prices before ordering.

FREE DELIVERY: by Parcel Force (UK Mainland only) OR SPEEDY NEXT WORKING DAY COURIER SERVICE. Add just £6.95 per major item for guaranteed delivery (or £10.00 for Saturday delivery), UK Mainland most regions. (Despatch normally on day of order or payment clearance). Overseas rates on request.

All listed prices are what YOU PAY, and there are NO HIDDEN CHARGES. Prices are correct at time of going to press (Pack details may vary from those in hand). Orders and deliveries are subject to availability and to being the latest advertised products, packs and prices. Please note goods are not supplied on a credit basis. 1992.

AMIGA 2.5" INTERNAL HARD DRIVES



UPGRADE YOUR AMIGA A1200 TO TODAY'S SPECS BY ADDING SOME **REAL STORAGE SPACE**. IT'S FAR EASIER THAN YOU THOUGHT WITH OUR FREE INSTRUCTION MANUAL!

Our A1200 Hard Drives are all high quality Officially Specified 2.5" IDE Lower Power Consumption units **NOT** alternative 3.5" drives which the computer was not designed to use. All units are recognised makes (eg. Conner, Seagate, Western Digital etc.), and are supplied with driver software, fitting kit, full instructions, back up/repair utility software and a Full 1 Year Warranty. Remember you also receive a copy of our Hard Drive manual - an invaluable source of information.

FITTED OR SELF FIT AMIGA HARD DRIVES

	CAPACITY	85Mb	130Mb	200Mb	250Mb
PAY £25 FOR A HARWOODS ENGINEER TO FIT YOUR DRIVE FOR YOU and you get...					
SELF FIT		£204.95	£219.95	£264.95	£324.95
FITTED		£229.95	£244.95	£289.95	£349.95

1. Speedy collection of your Amiga
2. Fitting by experienced technicians
3. Formatting with Workbench installation
4. Hard Disk configuration including installation of back up and repair utility software
5. FULL 12 month HARWOODS GOLD warranty for BOTH your new Hard Drive AND your existing computer! (see our "Gold Service")
6. Courier delivery back to you.

NO ONE ELSE OFFERS ALL THIS... you will normally only get warranty cover for the new Hard Drive NOT the whole computer!

Other Hard Disk Sizes may be available, phone for details. NB. although smaller sizes (eg 40 & 60Mb.) are still advertised, they're not produced in large quantities if at all. Future repair/replacement parts may be a problem. We don't therefore recommend them

PORTABLE/EXTERNAL HARD DRIVES



NEW

FOR...
A600's &
A1200's

A GREAT NEW HARD DRIVE THAT'S FAST, FULLY PORTABLE, AND EASY TO FIT!!! This fantastic new standard 2.5" IDE Drive is FASTER than those internally fitted by Commodore, and... it's TRULY PORTABLE! Super Compact Design that fits into your Pocket for True Portability - Weighs Only 288g! Fitted Footprint only 7.6x11.5cm (3"x4.5") Plugs straight into PCMCIA Slot Faster Access Times than Internal Drives Can be used as a 2nd HD - ideal for backups High Quality Robust Casing External PSU not required Supplied complete with Installation Software

ARCHOS	85Mb	130Mb	200Mb	250Mb	FULL 1 YEAR WARRANTY
AmiQuest	£259.95	£274.95	£329.95	£349.95	

AMIGA EXTERNAL HARD DRIVES

An EXTERNAL Hard Drive that simply plugs into the PCMCIA slot of your A1200 & retains its FULL Commodore Warranty! THE EASY TO FIT ANSWER TO HARD DISK UPGRADES THAT FEATURE... ABS Casing styled to match your A1200. 2Mb./sec FAST Transfer Rates, Manual & Installation Software, Independent PSU. ALL our Overdrives are pre-formatted, fully tested and ready to go!



FOR...
A1200's

Capacity	170Mb	212Mb	256Mb	270Mb	340Mb	420Mb	540Mb
PRICE	£299.95	£329.95	£344.95	£364.95	£399.95	£484.95	£629.95

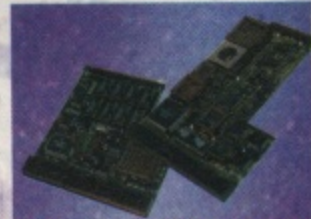
PLEASE PHONE FOR OTHER HARD DRIVE SIZES/PRICES!

AMIGA EXTERNAL FLOPPY DRIVES



3.5" EXTERNAL DRIVES...
NEW... Amitek 3.5", £42.95 built in antivirus checker and free disk head cleaning kit
Commax 3.5", throughput, £89.95 long cable, free head cleaner
Powerlite High Density 3.5", £99.95 1.7Mb. capacity, free head cleaning kit

BLIZZARD MEMORY AND ACCELERATOR BOARDS



BLIZZARD
NOW YOU CAN ACHIEVE A PERFORMANCE INCREASE OF OVER 5 TIMES!

BLIZZARD 1220/4 TURBO MEMORY

- Even more powerful than its predecessor (which was given the coveted Amiga Format Gold Award). JUST LOOK AT THE SPECIFICATION...
1. 4Mb AUTO-CONFIGURING 32bit FAST RAM as standard (with an option of a further 4Mb to a total of 8Mb).
 2. Integrated Clock Speed Doubler to run the FAST RAM at 28MHz giving overall performance increase of up to 300% compared with a standard Amiga A1200
 3. Integral Battery-Backed Real Time Clock
 4. Board may be disabled WITHOUT being removed for full game compatibility
 5. Sockets for Maths Co-Pro (FPU) and Crystal-68881 or 68882 up to 40MHz speed.
 6. Retains CBM on-site warranty for computer
 7. Easy to fit in computers Expansion Trapdoor
 8. Latest SMT (surface mounted technology)
 9. Full 12 Months Warranty

ALL FOR A PRICE MANY WOULD CHARGE FOR A MEMORY BOARD **£219.95**

BLIZZARD 1220/4Mb BOARD	£219.95
4Mb RAM EXPANSION (Blizzards own)	£169.95
33MHz. FPU MATHS CO-PROCESSOR	£79.95

BLIZZARD 1230-II TURBO ACCELERATOR

- From the makers of the acclaimed Blizzard 1200 RAM Board come both 40MHz and 50MHz Accelerators for the A1200. 1,400-500% performance increase on all applications (when the 1230-II Board has 1Mb. or more RAM installed).
2. Optional fast (up to 10Mb/sec) DMA SCSI-II interface for CD ROM etc. (CDTV, ISO-9660 Formats). Removable/Drives (Syquests, Bernoulli etc) as used on Macintosh etc.
 3. 40MHz 68EC030 CPU or 50MHz 68030 CPU with MMU (memory management unit) allowing Virtual Memory Paging
 4. Up to 50MHz 68882 PLCC or PGA FPU's (Maths Co-Processors)
 5. Up to 64Mb of 32-Bit RAM using standard 72 Pin SIMMS
 6. Battery backed real time clock
 7. Easy trap door installation. Does NOT invalidate warranties

BLIZZARD 1230-II TURBO (0Mb.) 40MHz 68EC030	£244.95*
BLIZZARD 1230-II TURBO (0Mb.) 50MHz 68030 with MMU	£329.95
1Mb. RAM Exp. 32bit SIMM	£49.95
4Mb. RAM Exp. 32bit SIMM	£149.95*
33MHz. FPU Maths Co-Pro	£79.95*
NEW... SCSI-II Add On Module	£89.95

THREE ABOVE MARKED* TOGETHER JUST... **£449.95**

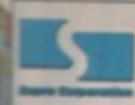


FOR TOTAL PEACE OF MIND TAKE ADVANTAGE OF OUR LOW COST EXTENDED WARRANTIES



See Page 1 for extended warranties

Offers & Services are subject to availability and to being the latest advertised products, packs and prices. Please note our goods are not supplied on a credit basis. All Trademarks are acknowledged and are Copyright of their respective holders. 1992.



GREAT SUPRA PRODUCTS

A500/500+ TURBO 28MHz ACCELERATOR BOARDS

Compatible with ALL A500's & A500Plus (A1500/2000 versions, ask for details)...

1. Plugs into sidecar/expansion slot A500/500+
 2. Speeds up Amiga - up to 4 X NORMAL speed!
 3. Throughput for RAM/Hard Drive Expansion etc.
- Amiga MUST have some FAST RAM (only standard A500 Plus machines do not). Any sidecar or GVP HD RAM already fitted is FAST RAM.

**A1200 Performance at only...
£129.95**



SUPRA AMIGA FAX/DATA MODEMS

14400 FAX MODEM V.32bis

Transmit and receive faxes and data at up to 14400bps. Amiga cable and modem to COMMS software included. (Fax software available separately SEE DETAILS).

£159.95

FAX MODEM V.32bis

Transmit and receive faxes and data at up to 14400bps. Cable and modem to modem COMMS software included. Fax software available separately. SilentAnswer Facility, L.E.D. Readout

£214.95

FAX PLUS MODEM V.23bis

Transmit and receive faxes at 9600/4800bps and data at 2400bps. Amiga cable and modem to modem COMMS software included. (Fax software available separately, see below).

£109.95

SPECIAL OFFER...

GP FAX SOFTWARE is required for any of these fax/modems to allow transmission and receipt of faxes...

ONLY £49.95

AMIGA RAM (MEMORY) UPGRADES



Upgrade your Amiga's RAM easily...

- A500 0.5Mb RAM Trapdoor U/G with Clock **£32.95**
- A500+ 1Mb RAM Trapdoor U/G with Clock **£39.95**
- A600 1Mb RAM Trapdoor Upgrade **£47.95**
- A600/1200 PCMCIA RAM Upgrades... **£119.95**
- 2Mb RAM for Smart Card Slot **£174.95**
- 4Mb RAM for Smart Card Slot

FASTLANE Z3 AMIGA SCSI II INTERFACE

A PERFECT POWER ADD ON FOR ANY AMIGA A4000 USER!!!

The only IDE Hard Drive answer for all A4000 users

1. Fast (upto 10Mb/sec) DMA SCSI-II interface for CD ROM etc. (CDTV, ISO-9660 Formats), Optical/Removable Drives (Syquests etc) as used on Apple Macintosh etc.
2. Expandable up to 64Mb of 32-Bit Fast RAM
3. Requires no Buster Chip upgrade!
4. Compatible with existing 4000's
5. 4 x 32-Bit SIMM Sockets

Exceptional Value at Only... **£329.95**

FANTASTIC AMIGA ACCESSORIES

AMIGA SOUND & MUSIC

- NEW Technosound **LOW £24.95**
- Turbo 2 Sampler **£24.95**
- Miracle keyboard **£24.95**
- Music X full Vers 1.1 **£24.95**
- Midi interface Sport complete with cable **£24.95**
- ZYFI Stereo Speakers **£39.95**
- ZYFI Pro Stereo Speakers **£54.95**
- Stereo Master **£29.95**
- Deluxe Music 2 **£69.95**
- Meglosound **£29.95**

ALFA DATA MICE

- HQ Microswitched MEGA MOUSE **£12.95**
- HQ Microswitched superb smooth 400dpi Resolution MEGA MOUSE **£13.95**
- High Quality Optical Microswitched mouse **£26.95**
- Alpha Data Mouse Pen **£32.95**
- HQ Microswitched Trackball **£29.95**
- Auto Mouse/Joystick Switcher **£17.95**

SCANNERS & GENLOCKS

- Power Mono V4.0 Hand Held Scanner **£127.95**
- Epson GT6500 Flat-bed Scanner **£639.95**
- Epson GT8000 Flat-bed Scanner (Inc. Art Dept. Professional) **£1179.95**
- Art Dept. Pro - existing scanner owners... **£154.95**
- Rendale 8802 Genlock **£179.95**
- Rocgen Genlock **£149.95**

VALUE BLANK DISKS

- 10 TDK 3.5" DS DD **£7.95**
- 50 TDK 3.5" DS DD **£32.95**
- 10 TDK 3.5" DS HD **£10.95**
- 50 TDK 3.5" DS HD **£49.95**
- Certified Bulk Disks with labels:
- 10 with library case **£6.95**
- 50 Disks - only... **£34.95**
- 100 Disks - only... **£69.95**
- 250 Disks - only... **£94.95**
- 3.5" Disk Head Cleaner essential for reliable loading **£2.95**



MOUSE MECHANIC TOOL

Universal no fluid mouse cleaner. Use over and over! **£4.99 +80p p&p**



WE'VE SHOWN A SMALL SELECTION OF AMIGA ACCESSORIES HERE. WE'VE LOTS MORE!!!

AMIGA BOOKSHOP



ASK ABOUT OUR WIDE RANGE OF BRUCE SMITH BOOKS

- Amiga 1200 Insider Guide **£14.50**
 - NEW! Amiga Assembler Insider Guide **£14.50**
 - Mastering Amiga Assembler **£21.95**
 - Mastering Amiga Beginners **£18.95**
 - Mastering Amiga Dos V2 Vol.1 **£18.95**
 - Mastering Amiga Dos V2 Vol.2 **£18.95**
 - Mastering Amiga Dos V3 **£18.95**
 - Mastering Amiga Dos V3 Tutorial **£18.95**
 - Mastering Amiga AMOS **£18.95**
 - Mastering Amiga AREXX **£18.95**
 - Mastering Amiga System **£24.95**
 - NEW! Amiga Disks/Drives **£14.50**
 - NEW! Mastering Amiga Printers **£18.95**
 - NEW! A1200 Next Steps **£14.50**
 - NEW! A1200 Beginners Pack, including: 2 Starter Books, Video & Tutorial Disks **£37.95**
- LOTS MORE BOOKS TOO - PHONE!!!

AMIGA SOFTWARE BARGAINS

WE HAVE LISTED JUST A SELECTION OF OUR AMIGA SOFTWARE. WHY NOT ASK US TO QUOTE A PRICE FOR ANYTHING NOT LISTED YOU MAY BE SURPRISED AT OUR GREAT PRICES!

AMIGA WORD PROCESSING AND PUBLISHING

- Pen Pal V1.5 **£34.95**
- Final Copy II Release 2-AGA **£69.95**
- NEW...Final Writer Release 2 **£69.95**
- The Publisher **£39.95**
- Professional Page V4.1 **£129.95**
- Pagesetter III **£47.95**
- Wordworth 3 **£39.95**
- Softclips 1 to 4 (for FCII) **£39.95**
- Softclips 1 to 4 **£29.95**
- Softwood ProperGrammar 2: (Grammar & Spelling checker, for ALL Amiga Word Proc.) **£39.95**



INTEGRATED AMIGA TITLES AND DATABASES

- Mini Office FEATURING... **£39.95**
- Word Processor, Spreadsheet, Database and Disk Manager...
- FULLY INTEGRATED!
- Superbase Personal 2 **£29.95**
- Superbase Personal 4 **£114.95**

VIDEO SOFTWARE FOR AMIGA CREATIVITY

- Scala HT100 (updated 500) **£35.95**
- Scala MM210 and MM300 **£29.95**
- EditMate **£194.95**
- Broadcast Titler 2 - SVGA **£174.95**

AMIGA ANIMATION AND GRAPHICS SOFTWARE

- Deluxe Paint 4.1 **£64.95**
- Deluxe Paint 4 (AGA) **£74.95**
- NEW... Caligari **£97.95**
- 3D Construction Kit **£36.95**
- Adorance Vers. 2 **£70.95**
- Vista Pro 3 **£54.95**
- NEW Vista Pro Light **£44.95**
- Art Department Prof. V2.5 **£149.95**
- DCTV Composite Video (24-Bit Graphics System suitable for PAL system TV) **£349.95**
- Morph Plus **£149.95**
- Real 3D Classic **£74.95**
- Real 3D 2 **£399.95**
- Brilliance **£147.95**
- Pixel 3D Professional Plus **£149.95**
- Animation Workshop

CAD AND DRAWING SOFTWARE FOR THE AMIGA

- X-CAD 2000 **NEW Lower £87.95**
- X-CAD 3000 **Prices £234.95**
- Art Expression **£144.95**

AMIGA PRODUCTIVITY SOFTWARE

- GB Route Plus **£36.95**
- Turboprint Pro 2.0 **£34.95**
- Mavis Beacon Teaches Typing 2 **£22.95**
- TypeSmith **£119.95**
- System 3E **£54.95**
- Personal Finance Manager **£34.95**
- Arena Accounts **£94.95**
- Disk Expander **£32.95**

AMIGA DEVELOPMENT AND UTILITIES SOFTWARE

- Quarterback V6 **£89.95**
- Quarterback Tools Deluxe **NEW Lower £74.95**
- (Advanced Disk/File Management)
- PC Task - PC Emulator **£37.95**
- Cross DOS **£34.95**
- Easy Amos **£24.95**
- Amos The Creator **£36.95**
- Amos Compiler **£21.95**
- Amos 3D **£25.95**
- Amos Professional **£36.95**
- Amos Professional Compiler **£24.95**
- Blitz Basic 2 **£84.95**
- New SAS Lattice C V6.5 **£269.95**
- Devpac 3 **£52.95**
- Directory Opus V4 **£49.95**

AMIGA EDUCATIONAL SOFTWARE



FUN EDUCATION FOR ALL AGES

- "Micros" up to GCSE Standards Micro
- Science - to GCSE **£18.95**
- Micro Maths - to GCSE **£18.95**
- Micro English - to GCSE **£18.95**
- Micro French - to GCSE **£18.95**
- Micro Spanish - to GCSE **£18.95**
- Micro German - to GCSE **£18.95**

PHONE about the "Fun School" range

NEW 10/10 RANGE
Choose: ENGLISH, DINOSAURS, EARLY ESSENTIALS, JUNIOR ESSENTIALS, MATHS NUMBERS & MATHS ALGEBRA Just £21.95 ea.

PHONE US FOR GAMES TITLES!!!

PRINTER ACCESSORIES/CONSUMABLES



- 9/24Pin, 80Column Colour Kit (not 124) **£37.95**
- 24Pin, 32K RAM Expansion (not 200/240) **£19.95**
- 24Pin, 32K RAM Expansion for 200/240 **£19.95**
- 24Pin, 128K RAM Expansion (not 200/240) **£32.95**



- 120D RIBBON **£3.95**
- 90/C RIBBON **£3.95**
- 24/200/240 RIBBON **£4.45**



- LC10/20/100 RIBBON **£3.95**
- LC200 RIBBON **£5.95**
- LC24/200 RIBBON **£6.25**
- LC24-30 RIBBON **£6.95**
- SJ48 INKJET CARTRIDGE **£15.95**
- SJ144 INKJET CARTRIDGE **£10.95**

- INKJET CARTRIDGES:
- BJ10ex/sx* **£15.95**
- BJ200/230 **£15.95**
- BJ600-Black **£6.95**
- BJ600-Cyan **£3.95**
- BJ600-Magenta **£6.95**
- BJ600-Yellow **£6.95**
- BJC600-CMYK **£32.95**
- Pack of Ink Cart.
- BJ800-Black **£16.95**
- BJ800-Cyan **£21.95**
- BJ800-Magenta **£21.95**
- BJ800-Yellow **£21.95**
- (Also for... Apple StyleWriter L... & Apple Colour... & Apple StyleWriter II)



- INKJET CARTRIDGES:
- Deskjet/Deskwriter **£21.95** (DoubleLife)
- Paintjet **£26.95**
- PAPER/TRANSPARENCY FILM:
- Single Sheet **£18.95**
- Z-Fold **£20.95**
- Transparency Film (50 Sheets) **£49.95**

AUTO SHEET FEEDER SPECIAL PRICE...
All 80 Columns Models (Please state type when placing order)
£84.95

AUTO SHEET FEEDERS:
All 80 Column Models... (Specify type when ordering)
£84.95

SHEET FEEDER SPECIAL PRICE...
BJ10sx in White or Black to match your printer
£54.95

SHEET FEEDER SPECIAL PRICE FOR THE HEWLETT PACKARD HP 310 PRINTER
£49.95

gordon

hardware computers

Dept. cua/K4 NEW STREET ALFRETON DERBYSHIRE DESS 7BP

Facsimile: 0773 831040

Order Hotline 0773 836781



TUNE IN, TURN ON, DROP INTO THE INCREDIBLE WORLD OF PC ENTERTAINMENT!

PC REVIEW

JUNE 1994 • £3.95

MAKE MOVIES ON YOUR PC
We tell you how to do it

TRIED & TESTED
The best sound card we've heard yet!

GAMES **EXCLUSIVE**
• LucasArts talks to PC Review
• Over 25 games reviewed this month

Lords of Midnight AND Theme Park on disk
EXCLUSIVE

WIN
the fastest printer in the world!

YOUR COMPLETE GUIDE TO PC ENTERTAINMENT

PC REVIEW is your complete guide to PC entertainment. And in a packed issue this month, we present ...

How to make movies on your PC....

With the right hardware and software you can capture and edit video images and make your own computer videos. Read Mike James' in-depth story for the products available now and the staggering implications for the future.

"CD-ROM is not the Holy Grail of the industry." - the president of LucasArts tells you why.

Over 45 games previewed, reviewed and rated! Read PC Review's authoritative treatment of all the new games released this month on disk and CD-ROM. Myst, Genesia, Great Naval Battles 2, the first SimCity

2000 scenario disk ... all dealt with in PC Review's inimitable style.

Ultima VIII: help is at hand with our easy to follow starter guide, plus full colour map to help you find your way around the world of Pagan.

● Win a CD-ROM ● Win a sound card ● Win the fastest printer in the world ●

Don't miss the June issue of PC Review . On sale 15 May.

IF IT'S HAPPENING ON THE PC,
YOU'LL FIND IT FIRST IN PC
REVIEW!

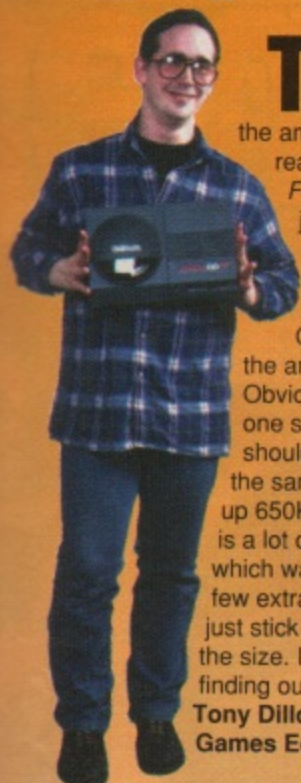
PC REVIEW



CD32 ZONE

The only place for news and reviews on the CD32

NEWS



To fill or not to fill, that is the question. I had quite a lengthy and enjoyable debate with Acid Software's Mark Sibly after the ECTS concerning the amount of space on a CD, and whether a developer really has to fill it to make it value for money. Take *Frontier* this month, for example, which appeared just too late to make it into our review section. The CD32 conversion of the game is a straight port with no added frills, such as improved music or the initially proposed texture mapping. The reason? Gametek didn't think that the sales would deserve the amount of work that would have to go into it. Obviously, there are two ways of looking at this. From one side, *Frontier* is a great game anyway, so why should it be improved?— especially if the price remains the same on CD. On the other hand, *Frontier* only takes up 650K of the available 650Mb – which means that there is a lot of space left over (some would say wasted). So which way does a developer go? Do they just bung on a few extra audio tracks, or a 15-minute rendered intro, or just stick to producing quality software and hang the size. I honestly don't know, but it's going to be fun finding out.

Tony Dillon
Games Editor

IT'S A MONSTER!

PC owners have been getting more and more excited at the prospect of Cryo's fabulous new adventure game *Lost Eden*. Now CD32 owners can begin to tremble at the prospect of this monster of a game thanks to Virgin, who are releasing the mammoth dino escapade in November. Set in a fantasy world where dinosaurs exist alongside humans, you play Adam, alone against the dinosaurs which are led by a mammoth T-Rex. Your basic role is to build a citadel to keep the humans in and the dinosaurs out.

As you can see from these PC screenshots, it's an incredible looking game. With breathtaking rendered 3D dinosaurs and scenery, including caverns, forests, deserts and undersea areas, it's certainly one of the most amazing games we've ever come across. We'll have a full preview in a couple of months, but don't worry – we'll keep finding excuses for printing more screenshots. Contact Virgin on 081 960 2255 for more information.



TIME FOR WAR

SCI, formerly known as The Sales Curve, are currently working on the biggest CD game to date, *Cyberwar*. It uses the same graphic technology as their first big CD game *The Lawnmower Man*, based on the film of the same name. Taking up no less than three compact discs, the game features stacks of full-screen rendered animations, and is quite a sight to behold. As far as the PC version of *Cyberwar* goes, both an FMV and a

256 colour version are in development, with a CD32 version due to be released later on in the year. It has yet to be decided whether an FMV CD32 version will be released. If it is, it will probably be the first game to use CD32 FMV properly.



BENEATH A SILVER DISK

Revolution Software are currently putting the finishing touches to their PC CD-ROM version of *Beneath A Steel Sky*, one of the best adventures ever released in CU AMIGA's opinion. Why are we telling you this? Because it's about to be followed up with a CD32 conversion, which will feature 256 colour graphics, full voice over featuring the talents of a host of *Spitting Image* artists and an animated version of the free *Steel Sky* comic as an introduction. We'll have a full review soon so in the meantime DON'T ruin the fun by reading this issue's solution.



Diary of a game

Out in Wales, where men are men and sheep are plentiful, two fine, upstanding members of the community are coding a game.

PART

3

The story so far: John Jones Steele and Dave Rowe, otherwise known as the Stellar Genesis Agency are busy creating the ultimate CD32 game, featuring the kind of features you can only get on CD. The game idea has been developed and accepted by Mindscape, and John picks up the story. "Can four weeks have passed already? It seems that no sooner had I transmitted last month's installment than this one became due."

"Firstly, for those of you concentrating on the story so far, last month there was a reference to an accompanying screen shot of one of the rough mock-ups we are using to speed up development.

"You will have noticed that it did not appear. Hopefully, this month you will be able to see this in all its glory (screenshot, far right). Also to be seen this month is the first view of the look and feel of the final "dressed" (ie complete with textures) room. This shows some of the features we will be using in the game, with realistic shadows from the wall lights and transparent walls (these walls have influenced the way the sprites are accessed – see later in the article).

BEGIN THE BEGIN

"As I said at the end of the last article, the full design of the game had now been accepted by Mindscape, so the real work of producing the

game could start."

Even with the full design ready, John still can't start coding. It's the bane of a programmer's life that they are always waiting around for other people to deliver the goods.

"Before I could start properly on programming the game, the first level's rough art-work needed to be completed, along with the skating sprites. This was going to take Dave

about two weeks, so it seemed like a good idea for me to take a break. So it was off to Gran Canaria for two weeks of serious *Space Academy* research (if you believe that you will believe anything).

"Suitably refreshed, it was back to the grindstone and off to Dave's for an update on progress. The first thing that had become apparent was how essential

the models had been (see the pictures of the models accompanying this article). To produce the rough rooms, we only needed to rotate the model to the correct viewpoint and then the room could be drawn.

"As can be seen from the dressed room, the current room can be seen in full, with full lighting and shadows and with the adjoining rooms visible – but with subdued

lighting. As you leave one room and enter the next, the viewpoint switches to the next room by flipping. As long as memory allows, we are hoping that the next room on either side can be cached in memory so as to keep the delay between rooms to a minimum."

CODER'S DREAM

Finally the coding can begin, and this is where the Stellar Genesis Agency have to start putting their talent where their mouths are. Obviously, because the game has been designed by a programmer, the actual coding is already worked out. All John needs to do is get typing.

"With the first 42 rooms, one level's worth, in my possession, the main programming could start. Earlier, I said the sprites were influenced by the graphics. There is one other reason. The finished game will be coming out on both CD32 and

PC CD-ROM. The effects we want to achieve, ie sprites passing behind glass and through shadows can easily be realised on a system with 1 byte per pixel, but to do this on a planar system, as the A1200 and A4000 have, would be very time consuming.

"Luckily on the CD32 we have the Chunky-to-Planar hardware that allows fast conversion between PC-style sprites and the normal Amiga video hardware.

"The way the effects are achieved is that as a sprite is being plotted to the screen, each pixel is checked to see if it is behind glass or in a region of shadow. If it is, then the pixel is modified either darker for the shadow region or lighter if it is behind a glass panel. This effect



occurred. In a usual isometric game, the rooms are built up of standard blocks which can then be used for masking off the sprites legs or arms or whatever happens to be behind them.

"In the design of *Space Academy*, we are aiming for a fairly unique look for each room. With Dave busy creating different wall shapes, balcony barriers, doors and furniture for each room, this technique will not work.

"The answer to the problem has been to store depth masks of each object our hero can get behind along with a mask plane that holds the position of the shadows.

"This does mean that there is an enormous amount of data stored for each room, but that is what CD games give us, a huge amount of data space on the disk itself along with more RAM in the console so that this data is readily accessible and does not need to be reloaded from disk each time it is required."

ONE MAN SHOW?

Reading through this month, you could be forgiven for thinking that it's a bit of a one-man operation at the moment. Not so, as Dave has been working all ours in his valley home.

"Dave has been producing more frames of the character animations. As soon as the masking works cor-

rectly, I can put those into the game and remove the skating characters. He has also been working with the textures we mentioned last time, producing various flooring brushes and wallpaper brushes ready for the task of completing the fully dressed rooms once all

the roughs are finished.

should be visible in the screen shot of the fully-dressed room."

GOALPOSTS

When creating a project of this size, development teams have to set milestones for themselves to break the whole thing down into manageable chunks. SGA are no different.

"The first programming task, after the usual screen setup, was to produce maps of each room which contained the positions of the walls to allow collision detection. With this done the main character can now skate around quite happily bumping into the wall position.

"With this in place the first problem

"At this point, I realised that to go between the floor level and the balconies I needed the stairways to be available! We had already decided that all stairs would actually be animated escalators, so Dave beavered away producing the animations for all views of these moving staircases.

"As I am typing away at this month's episode, Dave is on his way over with these animations. This article can now be transmitted up to CU AMIGA's modem and I can get on with the ups and downs of the game!"

And so we leave him at his keyboard for this month, and look forward to next month's even more exciting installment! **CU**



PHONE
0480 498889
Fax: 0480 496379

Open 5 days a week
9am - 7pm

CD32 TITLES

ALIEN BREED 2	18.99
ALIEN BREED/QWAK	16.99
ARABIAN KNIGHTS	10.99
BRUTAL SPORTS FOOTBALL	19.99
CANNON FODDER	CALL
CAPTIVE 2 - LIBERATION	19.99
CHAOS ENGINE	19.99
ELITE 2 - FRONTIER	19.99
FLY HARDER	9.99
HEIMDALL	22.99
INT. KARATE PLUS	9.99
LABYRINTH	9.99
LEGACY OF SORASIL-HERO QUEST 2	19.99
LEMMINGS	16.99
LOST VIKINGS	19.99
MICROCOSM	31.99
NICK FALDO'S GOLF	22.99
PINBALL FANTASIES	19.99
PIRATES GOLD	19.99
PROJECT X-FIT CHALLENGE	16.99
RYDER CUP	19.99
SECOND SAMURAI	22.99
SENSIBLE SOCCER	17.99
SUPER PUTTY	9.99
SUPER-STAR DUST	CALL
ULTIMATE BODY BLOWS	20.99
WHALES VOYAGE	19.99
ZOO	17.99



MEMBER OF
DIRECT MARKETING ASSOCIATION

ADI GCSE SOFTWARE	22.99
AMBERMOON	22.99
AMBERSTAR	17.99
ARCADE POOL	7.99
ARMOUR GEDDON 2	19.99
APOCALYPSE	15.99
A-TRAIN	12.99
BATTLE ISLE 2	CALL
BENEATH THE STEEL SKY	20.99
BLACK CRYPT	9.99
BRIAN THE LION	17.99
BRUTAL SPORTS FOOTBALL	15.99
CADAVER/PAY OFF	9.99
CAMPAIGN 2-GLOBAL CONFLICT	22.99
CANNON FODDER	18.99
CHAMPIONSHIP MANAGER ITALIA	16.99
CIVILIZATION	22.99
CLAWS	14.99

All items are subject to availability.

Post and packing: UK = 75p per item 2nd Class; £1.50 per item 1st Class; £2.00 per item 1st Class Recorded.

E.E.C. = £3.00 per item; Non-E.E.C. = £6.00 per item;

Swift Air E.E.C. = £5.75 per item; Swift Air Non E.E.C. = £9.00 per item

Next Day Courier = £5.00 per consignment (Up to 5kg. Deliveries Mon-Fri Only)

Titles marked with a * may not be released at time of going to press.

Please telephone for availability and a full copy of our terms and conditions.

Titles marked with a+ are available at the price shown while stocks last.

VISA



OPEN ALL DAY SATURDAY

NAME			
ADDRESS			
POSTCODE		PHONE	
ITEM		PRICE	
ITEM		PRICE	
ITEM		PRICE	
(Please indicate whether you require Disk or CD-ROM)			
Visa / Mastercard / Switch Number:			
Switch Issue No:			
Card Expiry Date:			
SIGNATURE:			
POSTAGE			
TOTAL			

Make cheques payable to:
European Computer User
& send to:
Units A2/A3 Edison Road
St. Ives, Huntingdon
CAMBS PE17 4LE

GAME OF THE MONTH



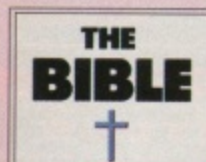
GUNSHIP 2000 CD32 - £18.99

AMIGA TITLES

COLONELS BEQUEST	9.99	SKIDMARKS	17.99
CRASH DUMMIES	15.99	SPACE LEGENDS	19.99
*CYBERPUNK	CALL	STARDUST	10.99
*CYBERSPACE	22.99	STREETFIGHTER 2	10.99
DARKMERE	19.99	SUPERSTAR DUST (1200)	16.99
DARKSEED	19.99	SYNDICATE	21.99
*DIGGERS	17.99	TEAM 17 COLLECTION SUPERHERO/SCIENCE FICTION	19.99
DUNE	9.99	*THEME PARK	CALL
DUNE 2	18.99	THE SETTLERS	24.99
DUNGEON MASTER/CHAOS	17.99	TORNADO	20.99
*ELFMANIA	16.99	TOTAL CARNAGE	16.99
*EMPIRE SOCCER	CALL	*TRACKSUIT MANAGER 94	17.99
EUROPEAN CHAMPIONS	16.99	*TWILIGHT 2000	22.99
EYE OF THE BEHOLDER	11.99	UFO - ENEMY UNKNOWN	22.99
*FIELDS OF GLORY	CALL	*ULTIMATE PINBALL	20.99
FLASHBACK	20.99	UMS COMPILATION	30.99
FRONTIER - ELITE 2	18.99	*UNIVERSE	CALL
GUNSHIP 2000 (A1200)	22.99	URIDIUM 2	16.99
HEIMDALL 2	22.99	WEIRD DREAMS	7.99
INDY JONES FATE OF ATLANTIS	24.99	WING COMMANDER	9.99
*ISHAR 3	CALL	*WORLD CUP USA 94	CALL
JET STRIKE	15.99	LIMITED VERY SPECIAL OFFERS	
JIMMY WHITES SNOOKER	9.99	+CHAMPIONSHIP MANAGER 92/93	11.99
JOHN MADDEN (AMERICAN) FOOTBALL	10.99	+CHAOS ENGINE	11.99
*K240	19.99	+COOLWORLD	9.99
KINGMAKER	24.99	+DISPOSABLE HERO	12.99
KINGS QUEST 3	11.99	+DREAM TEAM	13.99
KINGS QUEST 4	21.99	+F117A NIGHTHAWK	18.99
*KINGS QUEST 6	28.99	+F1 (DOMARK)	11.99
LEGACY OF SORASIL	17.99	+GOAL	14.99
LEMMINGS 2 - THE TRIBES	15.99	+HIRED GUNS	16.99
LIBERATION - CAPTIVE 2	19.99	+HISTORYLINE	18.99
LOST VIKINGS	20.99	+LEGEND OF VALOUR	11.99
LURE OF THE TEMPTRESS	9.99	+LIONHEART	14.99
MICRO MACHINES	16.99	+LOTUS TRILOGY	11.99
*MIG 29 - SUPER FULCRUM	9.99	+METAL MUTANT	4.99
MONKEY ISLAND 1	12.99	+NICKY 2	12.99
MONOPOLY	19.99	+PREMIER MANAGER	9.99
MR. NUTZ	17.99	+PREMIER MANAGER 2	11.99
NAUGHTY ONES	16.99	+PRIME MOVER	12.99
NODDY'S BIG ADVENTURE	16.99	+PUSHOVER	8.99
PERHILLION	17.99	+RAILROAD TYCOON	9.99
*PINKIE	16.99	+SECOND SAMURAI	16.99
POLICE QUEST 2	9.99	+SENSIBLE SOCCER	13.99
POPULOUS 2	19.99	+SHADOWWORLDS	10.99
QUEST FOR GLORY 2	13.99	+SIM LIFE	11.99
*ROBINSONS REQUIEM	19.99	+THEATRE OF DEATH	13.99
ROBOCOD - JAMES POND 2	8.99	+XMAS LEMMINGS	10.99
SABRE TEAM (A1200)	19.99	+ZOO	10.99
*SLEEPWALKER	9.99	+ZOO 2	15.99
SIERRA SOCCER	16.99	JOYSTICKS	
SIM CITY CLASSIC	9.99	MAVERICK	7.99
SIM CITY DE-LUXE	17.99	THE BUG	10.99
SIMON THE SORCERER	26.99	SPEEDKING AUTOFIRE	8.99

Prices can be subject to change. E & O E.

EPIC PD SOFTWARE



The King James Bible on disk. It's the hi-Tech way...

Only £10.00

KJB10-4. THE BIBLE



Do you like gambling but hate losing money? Well this Amiga version of roulette will see you right!

Only £3.00

RLT3-1. ROULETTE



If fast paced shoot'em ups is your sort of thing then Cybernetix is your sort of thing! Super smooth! Addictive stuff.

Only £3.00

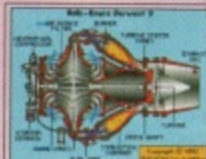
CYB3-1. CYBERNETIX



A very popular arcade game. Drop rocks on Ork's heads and watch them splat. A very "Bloody" game. Over 16 year olds only.

Only £3.00

ORK3-1. ORK ATTACK



Includes animations of 5 different engines including: Steam, Petrol & Four Stroke. It's your chance to see exactly what happens inside an engine. Good educational tool.

Only £9.00

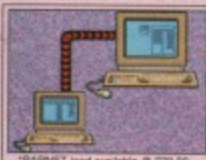
ENG9-5. ENGINES



Now the nice weather's here it's time to do the garden, and this program will give you an excuse not to. Because you'll be too busy designing it.

Only £3.00

GRN3-1. 3D GARDEN DESIGNER



Link up two Amiga's so you can use each others drives (ie: HD, CDROM Drives etc) as if they were connected to your machine. Complete with instructions.

Only £7.00

PNT7-3. PARNET SETUP



That's right, over 200 utilities on one great disk. Includes: Virus Checkers, Txt editors, CLI tools, WB tools, and loads more. All are easy to run!

Only £3.00

TTU3-1. 203 UTILITIES



A 3 disk collection of Extras for this amazing new demo maker. Includes fonts, music, backdrops etc.

Order Now £8.00

DME8-3. DEMO MANIAC



Hundreds of colour clip fonts for use in any Art/paint package. All are of high quality and are perfect for demo making etc.

Only £15.00

CLF15-8. COLOUR FONTS



The complete tutorial for music makers. If you want to know all there is to know about making music & music in general then this computer tutorial will help.

Only £6.00

MSG6-3. MUSIC GUIDE



A set of three comprehensive disks, full with workbench 2/3 utilities.

A bargain at £7.00

WBT7-5. WORKBENCH



Over 1000 Amiga game cheats. Includes Adventures, Puzzle, Platformers & shoot 'em ups. All run through an easy to use menu.

Only £9.00

CHT9-5. 1000 CHEATS



An essential collection of tools for your printer. Includes: label makers, data printers, printer drivers, print managers and loads more.

Only £8.00

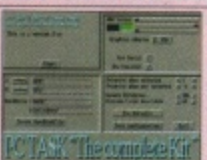
PRT8-4. PRINTER TOOLS



Over 100 Workbench printer drivers, ranging from Star, Citizen, Seikosha, Hewlett Packard, Commodore, Epson, OKI, IBM & Postscript drivers. Easy to install...

Only £3.00

DRV3-1. PRINTER DRIVERS



Run PCXT software on your Amiga. Very easy to use and supports VGA graphics on a humble A1200. A superb shareware package.

Only £5.00

PTB5-2. PC TASK+BOOT



An exciting new up to date version of Pacman. If you liked the original you'll love this latest version of an all time Atari classic. (1 disk) Order a copy now

SPM3-1. SUPER PACMAN



A complete Word processing package. Includes Spell checker & grammar checker. A very easy to use package.

Only £7.00

WPR7-3. WORD PROCESSING

FREE!!!
FREE BOX OF TEN BLANK DISKS WITH EVERY ORDER OVER £25
Don't forget to ask for them



Over 100 IFF samples for use in any music package. Includes vocals, beats, instruments etc.

Only £7.00

SAM7-5. SAMPLES



Now you can design your own fonts for use in Deluxe Paint etc. Over 70 additional fonts are also supplied. A very easy to use package. Don't miss it.

Pack price Only £7.00

FNT7-3. FONT EDITOR



Every Amiga owner should have a Virus killer. It ensures that you're safe from the 600+ Amiga viruses currently available.

Pack price only £4.00

VIP4-2. VIRUS KILLERS



If you want to test your Amiga fully then The Engineer's Kit will sort you out. It can test drives, memory sound, joystick, mouse, etc. etc.

Only £3.00

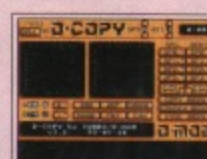
ENK3-1. ENGINEER'S KIT



Perfect for all budding cooks & chefs this disk contains 150 excellent recipes for you to try yourself.

Pack price £3.00

GCB3-1. COOK BOOK



A set of the best & most powerful Amiga disk duplicators available. Capable of removing actual disk protection routines from a number of games.

£5.00

CPY5-2. DISK COPIERS



Easy Calc Plus is the most powerful spreadsheet available on the Amiga. Contains most Lotus 123 features. Instructions included.

ECP3-1. EASY CALC PLUS



Ten disks full of AGA girly pictures. Over 100 top quality images, all in 256 glorious colours. Each disk runs as a slide show for ease of viewing. Over 16's

Pack price Only £15.00

GRL15-10. AGA GIRLS



Connect your Amiga to either a PC, Amiga or CDTV and access any drive with ease, and transfer any information. TwinX is the most powerful serial transfer system available.

Pack price £8.00

COM8-3. NETWORKING



If you've just purchased your Amiga then you may be a bit boggled about how to use it properly, well this five disk set will see you right. The complete beginners guide

Pack Only £9.00

ABG9-5. BEGINNERS



If you're new to computers then you may want to improve your typing skills, if you do then this software will take you step by step until you become competent

Only £3.00

TYP3-1. TYPING TUTOR



Three complete account packages, for home or for small business, they are invaluable, sort out your finances with ease, no more shuffling through heaps of papers. Easy to use.

Pack price Only £7.00

FIN7-3. FINANCE



Five of the best menu makers available. Includes titles such as Menu Master3, Ami-rage menu system, Quick menu & mega menu & more.

Pack price only £4.00

MNU4-2. MENU TOOLS

***CATALOGUE DISK AVAILABLE @ £1.00 WITH ANY ORDER**

ORDER FORM

Name
Address
Tel Amiga
Payment method
Credit card No. Exp.

Order Value

Amount of PD Packs XXX10-5. PACK TITLE Individually priced	QTY	= £
Amount of PD Packs XXX10-5. PACK TITLE Individually priced		= £
Other Items		= £
Goods value		= £
Postage & Packing Please add a total of 50p for PD's in the UK		= £
Amount enclosed		= £

SAMPLE DISKS

- ☐ E000-5 VOCALS 1-5 (5 DISKS) £10.00
- ☐ E006-5 BREAK BEATS (5 DISKS) £10.00
- ☐ 314-6 IFF SAMPLES (5 DISKS) £10.00
- ☐ A068-3 HOUSE SAMPLES (3 DISKS) £6.00
- ☐ B921-2 PURE SAMPLES (2 DISKS) £4.00

OVERSEAS ORDERS

Overseas orders are welcome, but please add 25p to each disk ordered, & £1.00 to each Pack ordered, a minimum of 5 disks apply. All Overseas orders are sent by first class Air Mail.

COLLECTING DISKS

You are welcome to collect your order, but you are advised to phone it through prior to collection. Office hours: 9.30am-5.30pm Mon-Sat.

FONTS DISKS

- ☐ B569-3 FONTS GALORE (3 DISKS) £6.00
- ☐ B146 HEFT FONTS £3.00
- ☐ B139-6 AMIGA BITMAP FONTS (5 DISKS) £5.00
- ☐ A721 EXILE COLOUR FONTS £3.00
- ☐ A502 HEADLINE FONTS £3.00

ORDERING BY POST


Simply send your order in on an A4 page, listing the numbers you require, the total cost, and your name & address or if you wish simply mark off the titles you wish to order, fill in your name etc, and send these pages to EPIC MARKETING, 1st Floor Offices, 31a Faringdon Rd, Swindon, Wilts SN1 5AR, enclosing full payment.

ORDERING BY PHONE

Call any time between 9.30 & 5.30pm Monday to Saturday with your credit card details and the disks you would like to order.

EPIC MARKETING, FIRST FLOOR OFFICES, 31a FARINGDON RD, SWINDON, WILTS, SN1 5AR


Order hotline. 0793 490988 Fax: 512075

A huge collection of professional quality backgrounds for use in Scala. Includes Marble effects, Water, Rocks & other miscellaneous patterns.

Only £6.00


SCA6-2. SCALA BACKDROPS



The complete system for cataloguing your Video, CD, Disk & Music collection, three disks of databases to keep track of your entertainment media.

Pack price only £5.00


CTG5-3. CATALOGERS



A collection of over 150 top quality music samples for use within MusicX. Includes instruments, vocals, etc.

Only £7.00

MSX7-3. MUSIC X SAMPLES



A six disk set of miscellaneous graphical subjects, including cars, people, sport, animals, etc.

A bargain at £10.00

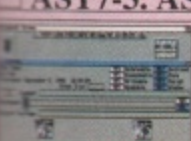
PSA10-6. PAGESTREAM ART



Includes three top Amiga Astronomy titles. Starview, Planetarium & Astronomy V2. A great Patrick Moore starter kit.

Only £7.00

AST7-3. ASTRONOMY



The perfect companion for your Workbench. Edit icons in up to 8 colours. Also supplied are over 100 ready made professional 8 colour icons.

Only £7.00

IEK7-3. ICON EDITOR & ICONS



'SpaceBalls' State of the Art is one of the most Spectacular & popular Amiga rave demos around, now the second part is here, even bigger and even better, 2 great disks. Unreal!


SBL4-2. SPACEBALLS 2



The largest collection of proper sound FX available on the Amiga. Subjects include: Animal FX, Human, Storms, Explosions, Cars, Planes, Houses etc.

Set only £25.00

SFX25-15. SOUND FX



A set of educational games for children ages between 5 & 8. All easy to use & load. Maths & Spelling are covered.

Only £9.00

EDU9-4. KIDS EDUCATION



A collection of various hard drive tools for backing up, formatting, coping files, repairing bad sectors etc. An essential purchase.

Only £5.00

HDT5-2. HARD DRIVE TOOLS



Create professional looking front ends to your disks that look as if a professional programmer made them. Put in your own logos, music & scrolly messages etc.

Pack price only £7.00


DMO7-3. DEMO MAKERS



If Tetris is your sort of game, then this compilation of seven Tetris variations should satisfy your appetite.

Pack price only £9.00


TET9-5. TETRIS MAYHEM



For Streky fans, this pack contains both the original Startrek theme + The Next Generation theme, as well as some stunning pictures & animations.

Only £10.00

SRT10-6. STARTREK!!!



"What a great game" That's what we have been told by everyone who has tried this great Breakout clone, and we have to agree. Version 3 now in...

MGB3-1. MEGA BALL AGA



Galaxians is Back! This is the best version of this classic shoot 'em up available. It will work on any Amiga but is enhanced on the A1200/A4000.

Only £3.00

DGA3-1. DELUXE GALAGA



Run all your 48k Speccy software on the Amiga, very easy to use. Over 40 classic Spectrum games supplied, you can load from cassette via a standard sound sampler.

Other games available! Pack price Only £5.00

SPE5-3. SPECTRUM EM



A large collection of DIY hardware kits. Build your own Sampler, Memory expansion, Digitizer, etc. Diagrams included.

Only £3.00

HWP3-1. HARDWARE PROJECTS



An impressive collection of Imagine objects on a total of 10 disks, subjects include: Cars, Aircraft, Startrek, Starwars, Animals & Dinosaurs.

Pack price £15.00

IOD15-10. IMAGINE OBJECTS



The Amiga 1200 hard disk installation software. Prep & format your new A1200 hard disk with ease. It will also install Workbench properly.

Only £7.00


AHD7-2. HARD DISK INST.



If you want to play golf but don't fancy the walk, then this is what you need. 18 hole golf on the Amiga. Easy to play.

Only £4.00

GLF4-2. 18TH HOLE GOLF



Mr Men Olympics up to 8 players can compete in a number of Olympic events. Includes: hurdles, 100 metres & weight lifting. Perfect for kids. Great graphics throughout.

Only £4.00

MMO4-2. MR MEN OLYMPICS



A collection of Amiga versions of the classic title: Boulderdash, now with updated graphics & sound. Very addictive games.

Pack price £5.00

BOL5-3. BOULDERDASH



Features 4 all time classics. New & old versions of Pacman, Space Invaders, Asteroids and Galaxians. Remember the good old days for only £10.00

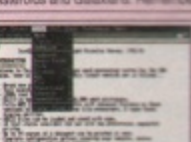
AAC10-4. ARCADE CLASSICS



Rated as the Best to budget word processor available. It now includes a superb spellchecker. Version 4.1 is now in stock.

Only £3.00

TXE3-1. TEXT ENGINE



A huge selection of card games. Including the popular Solitaire, Poker, Craps and loads more titles.

Only £10.00

CRD10-4. CARD GAMES



If you want 100% error free disks then a box of quality tested disks with labels is your best choice. So when ordering PD ask for a box of Ten.

Only £4.95 a box


BLK5-10. TEN BLANK DISKS



The most professional Word searcher & crossword solver available on the Amiga. It features a dictionary of over 50,000 words and you can even add your own if you wish.


Pack price Only £5.00

WEP5-2. WORD FINDER



Transform your Workbench 2/3 into a new more stylish 8 colour system. 100s of new icons & backdrops. Each icon took the Author over 6 hours to produce.


MWB3-1. MAGIC WB



If you've just got your A1200 then this package will get you going. Ten disks packed with AGA software, inc: games, graphics, utilities, tools, music etc.

Pack price £15.00


AGA 15-10. A1200 PACK



That's right over 100 Amiga games including Pacman, Invaders, Snakes, puzzle games, comical games, shoot 'em up, platform games and more.

Only £10.00

GG10-4. 101 AMIGA GAMES



Double the space on your Hard disk, if you've got an 80meg you'll have over 150meg with this safe hard drive stacker, also works with floppies.

Pack price only £5.00


EPU5-2. EPU DISK STACKER



Speed up the access of your disk drives with this memory resident disk accelerator, runs quietly in the background of your Workbench.

Pack Price £4.00

TDK4-2. TURBO DISK



A 6 disk compilation of every tool you could ever want. Includes: fonts, video backdrops, video titlers, test cards etc. Don't miss it.

Only £12.00

VID12-6. VIDEO TITLING



A must for all Star Trek fans, a four disk AGA collection of very high quality pictures of Next Generation Space craft. Including: Enterprise, Klingon & Romulon. Well over 30 images.

Pack price Only £7.00


SRT7-4. STARTREK AGA



Hundreds of general knowledge questions, like Sport, General, Entertainment, Politics etc.

Only £5.00

QUZ5-2. QUIZ MASTER



Possibly the best graphics converter available. Convert between PCX, IFF, Degas and loads more. 2 drives or hard disk.

Only £3.00


GRD3-1. GRAPHICS GRINDER



Includes: DLD, PowerPacker, Crunch mania, LHA, LHZ, & DMS to compact a whole disk into one file, everything you'll ever need to archive or de-archive any file anywhere.

Only £5.00

CRM5-2. CRUNCH MANIA



The perfect partner for home or office, features a Word processor, Spreadsheet & Database. A powerful companion for all small businesses.

Pack price £7.00

IFC7-3. LITTLE OFFICE



A collection of easy to use tools for degrading your new A1200 so it will run most of the older Amiga games.

Only £4.00

DEG4-2. A1200 DEGRADERS

CHUCK ROCK 2 SON OF CHUCK

CORE DESIGN £14.99 OUT NOW



As the title suggests, the loincloth clad Neanderthal, Chuck Rock, has been passed over for the sequel to the popular Amiga platformer in favour of his much cuter son. Chuck Junior's his name and clubbing's his game and we don't mean the get down and boogie variety either. Junior's got to rescue his pa from the filthy Brick Jagger and to do this needs to swing his way through the jungle to the bad lad's lair.

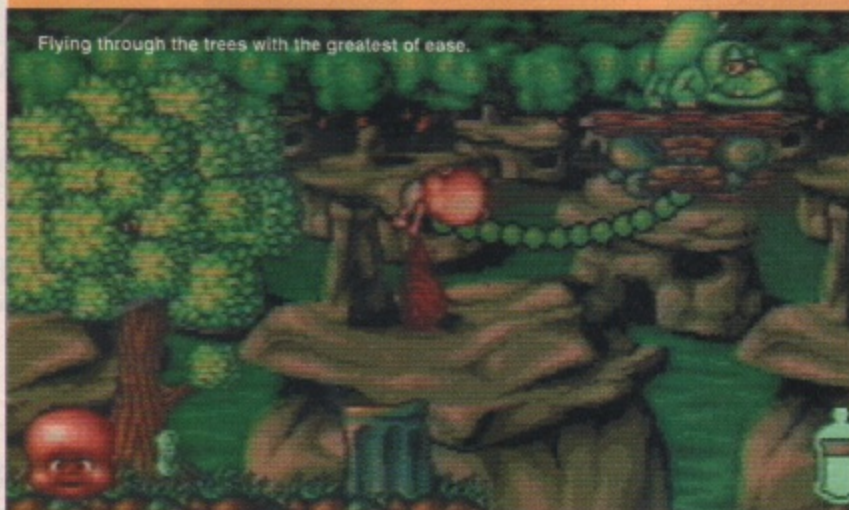
The caveman kid starts each game with a full baby bottle of energy and when it's empty he loses a life. Simple stuff, but thankfully, if you lose one of those precious lives, you can just continue where you left off and not have to go back to the beginning. Junior may look as cute as apple pie, but you'll notice that he comes complete with a rather hefty club. As you'd imagine, he can give out a fair old bashing with the weapon, but it also serves to protect the tot too. By pulling down on the pad you can balance the baby on top of the club, thus avoiding certain monsters that can't touch him at this loftier height. In fact, there are a whole host of controls that are not at first obvious to those of us who prefer to use game manuals to rest cups of tea on, rather than read them. Junior can swing the club high to attack low flying dinos, he can leap on the back of some monsters who'll carry him safely forward and he can even jump on ropes and vines and swing like a veritable Tarzan across the screen.

The graphics are pretty dreamy, with six different scenes comprising of scores of varying zones. Junior can interact with some backgrounds by bashing them with the club and move rocks across the screen. This enables the youngster to move boulders over spikes and get over obstacles unharmed. There are quite a few surprises in store for the adventurer, with nice graphical touches including cavemen dressed up in dinosaur suits that disrobe as they get hit and huge walking dinosaurs that take up most of the screen.

What with all the different club antics, including a feature that allows Junior to set the club on fire to illuminate parts of a map, there's enough variety to make this quite an attractive romp. The sluggish Amiga cartoon intro has been speeded up to make one of the finest intros ever – the CD32 version finally does justice to the brilliant animation.

Chuck Rock 2 is now a well recommended purchase
Steve Keen

84%



Flying through the trees with the greatest of ease.

NAUGHTY ONES

INTERACTIVISION OUT NOW £25.99



The naughty ones are John and Jim.

They've been trapped in the fantasy world of an evil king and the duty of traversing the five worlds and getting them back to their own land rests squarely on your shoulders. All you have to do is complete the various rooms that hold the heroes prisoner and then you can get back home.

Naughty Ones can be played as a single player

game or you can team up with an equally mischievous buddy for simultaneous two-player fun. Each room consists of a cunning array of platforms, each patrolled by devious demons in various guises. Indistinguishable blobs scooch up and down the platforms whilst more sinister robots and mechanical contraptions have taken over other levels. Each of the five worlds has a different theme. The first, Mad Mechanics, has a mechanical mood to it with deadly cranes, hidden cannons and heat seeking missiles standing between you and freedom. One of the more devious worlds is Furious Fire, inhabited by compulsive pyromaniacs. On this stage you have to extinguish all the beasts before they set fire to the level and burn it and you to the ground!

A platform game without pick-ups just wouldn't be on, so there's an ample smattering of objects to collect before you reveal the key to the level's exit. You can pick up bouncing killer shots to take out baddies with, extra lives, immortality and extra speed to name a few. The monsters you encounter will also drop coins when they've been killed and it's advisable to pick these up quickly to boost points and progress.

Naughty Ones looks cool enough on the CD32, but the main sprite graphics are pretty small, with some objects almost being missed due to their minuscule rendering. However, the game possess some nice details such as conveyer belts and lifts to take you further into the game and some freak elemental problems such as flooding. Hidden levels and secret rooms are also included, scattered through out the five worlds, and you'll notice that as the game moves along it gets harder with the enemy sprites

CHAOS ENGINE

RENEGADE £29.99 OUT NOW

The Bitmap Brothers have been around quite a bit of late, so too have Renegade, but it wasn't too long ago that these two stable mates were the toast of the Amiga software world. When first released, Chaos Engine was one of the finest shoot 'em ups around on any home system, and since then it's been converted to just about every other format, so it's good to see it coming home to another Commodore machine.

The Chaos Engine is a gigantic machine invented to explore time and space – and it's gone horribly berserk. The gigantic structure has begun to disrupt time so badly that human evolution has been altered and the human population has been mutated into various forms of monsters. The only solution is to gather together a team of men to find the machine and blow it to bits. Enter the mercenaries.

Players can choose between six hardened guns for hire. Each party must consist of two characters, one either computer controlled or manned by a second player. Each of the six warriors has his own specialist skills. The Thug is incredibly powerful, but a little stupid, the Preacher has all the smarts and the ability to heal, but he's not too good in a fight, while others, such as the Gentleman, are intelligent and the Mercenary is a good, all round fighter.

There are four monster-infested worlds to explore,



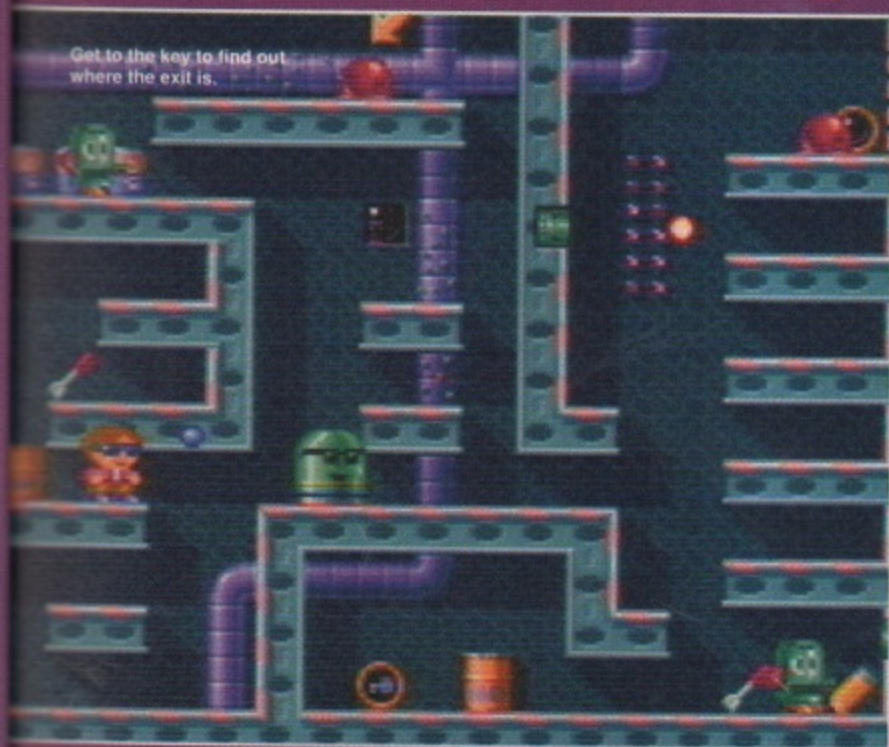
taking on new abilities and attributes. The second level, Crazy Clock, heralds the arrival of baddies that bite back with immortal ghouls that drop objects on you from above as you walk underneath them.

Not the most original game ever seen, Jim and John even look like that more famous duo, Bub and Bob, from *Rainbow Islands*, but a speedy, fun puzzler none-the-less. In fact the whole game has a *Bubble Bobble/Rainbow Islands* feel to it and, unless there are any secret plans to release those Amiga classics on the CD32 that we don't know about, this will more than make up for their absence.

Young players will like the challenge, but older ones might want a bit more tech to go with their speech.

Steve Keen

80%



each with four sub-levels. What makes *Chaos Engine* so intriguing though is its artificial intelligence. Each level is stuffed with different paths so that even when a world is completed you can go back and discover new avenues to follow. By picking up different coloured keys you can move parts of the scenery to find hidden rooms and weapons or by activating the various nodes in different order you can reveal other levels. When most monsters are killed they throw up all kinds of surprises, like weapons or special gadgets of destruction, allowing each player to have his abilities beefed up.

With improved graphics, a cool intro and brilliant sampled CD speech *Chaos Engine* more than stands tall on the CD32. In fact I'd say it's one of the best games you can buy for the machine. A classic shoot 'em up that's even better on the CD32. Definitely not one to be missed. Let's hope that the team are working on some spectacular CD32 specific products - they'll be monstrous!

Steve Keen

88%



GUNSHIP 2000

MICROPROSE OUT NOW £29.99

Gunship 2000 is regarded by many as one of the best Amiga flight simulators, if not actually the best. The one thing it had above all others was a realistic, undulating terrain. Instead of taking a flat green landscape and just adding the odd pyramid, *Gunship 2000* has a true terrain that you can properly interact with, hugging the hills, following valleys and generally flying the game the way it was meant to be flown. Coming from MicroProse, it goes without saying that the game is realistic, and a superb simulation, but *Gunship 2000* has much, much more than your normal flight simulator.

Now it's available for the CD32, and boy are you lucky CD owners in for a treat. MicroProse have taken the Amiga version and enhanced it beyond all expectations. For a start there's the wonderful intro sequence, where an AH-64 Apache chopper flies low over a lake and then goes into battle along a valley. There's improved sound and music. There's the 256 colour graphics. There's increased speed and even a much smoother update.

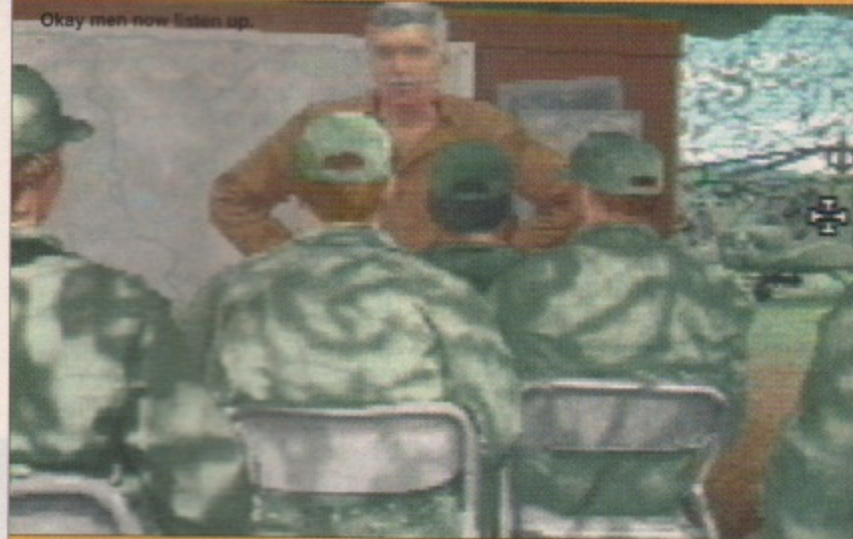
Best of all, though, are the controls. On Amiga, *Gunship 2000* used all sorts of key commands to do everything. On CD32, only the important functions are kept on the joypad, with all weapons, power settings and navigation controls at your fingertips. Secondary actions, such as changing your view of the game and examining the map, are brought up on a menu when the game is paused. If you thought a flight simulator couldn't work on a console, then think again.

Gunship 2000 deserves to be one of the big CD32 sellers. It's got stacks of action, plenty of visuals, more explosions than you actually need and you can machine gun camels. What more do you need?

Tony Dillon

92%

Okay men now listen up.



Up in the air with my flying machines.



SUBMARINES, GHOSTS, GUNS and MUSIC!

What do the above have in common? Not much, except they're all in FMV movies and releases this month. So it's pop corn time again, as our very own Andy-Barry-Norman-Leaning tries out the latest Full Motion Videos!

It's all action this month, three movies to watch and the first FMV pop video should be available by the time you read this. The movies on show this issue are *The Hunt for Red October*, *Ghost*, *Naked Gun Two and A Half* and the first music FMV title – *Eurythmics, Greatest Hits*.

This month sees the release of a film Alan's is just itching to get his hands on – yes *Ghost* has finally floated in. Quite why Alan wants to watch this timeless tear jerking romantic drama is beyond me, maybe something to do an unhealthy admiration of Patrick Swayze (heck he even knows how to spell his name!). Anyway, *Ghost* is a classic film, loved by practically

SOUNDS ALL RIGHT

If you've got the CD32 and an FMV module and all you have it plugged into is your TV then you're missing out on some amazing sounding experiences.

On the back of the CD32 are two phono jacks. Using standard phone cables connect these to your stereo via either a spare input connectors or the inputs for your CD player – remember CD32 has CD quality audio!

Next time you watch an FMV film or play a game, turn on the stereo and listen to the sound coming through, using your stereo to amplify the sound will enhance the FMV film experience even more.

every woman I know, and more than a few men will admit to enjoying it – when pushed that is. As such this



Naked Gun Two And A Half – total slapstick video quality!

FMV version is probably going to go down a storm, and rightly so.

The sound is wonderful, with a depth and clarity that is up to anything yet produced. The visuals are pleasing, although there is a slight loss of detail in dark areas, but overall this is a good conversion. *Ghost* is a real eye-lash-drencher and worth adding to your collection. Quick hand me a tissue!

DIVE, DIVE, DIVE!

The next film is one of my all time favourites, an absolute rip roaring semi-political, action drama. Originally released as the real East/West cold-war was coming to an end, *The Hunt for Red October* charts the activities of a Russian captain trying out Russia's newest and most deadly submarine. But instead of following orders he has his own plans and creates more than a few waves between Nato and the Warsaw pack in the process. A Strong plot, with the acting starring Sean Connery and Alec Baldwin adding to a powerful atmosphere set both below and above the waves!

Like *Ghost* the conversion quality of *Red October* is well up to scratch. The sound in this film was particularly better than from my VHS video version, and came out wonderfully through my Denon surround sound system (see box out). The visuals were also more than up to recent levels and showed none of the fuzz that can be seen in early FMV films.

HE'S BACK - JUST ACCEPT IT!

After overdosing on emotion with *Ghost*, and *The Hunt for Red October* getting more polit-



The Hunt for Red October.

ical than should be allowed, it's time for some humour, and why not! *Naked Gun Two And A Half* is fast paced, slap-stick comedy along the same lines as *Airplane*, and *Police Squad*. The film follows the antics of Frank Dreynfuss as he stumbles his way through another investigation, if you find *Police Squad* humour enjoyable you'll love this.

It's laughs a minute with this film, and unfortunately for all the wrong reasons. Sadly, *Naked Gun* has suffered very badly in the transition from master tape to FMV format – it's the worse I've seen yet, apart from very early promotional titles. The picture blurs regularly, with a definite fuzziness throughout the film and there was also a loss of detail in several frames. Unless you're a diehard Frank Dreynfuss fan, avoid this one.

SWEET DREAMS

When Commodore first unveiled the FMV card for the CD32 one of their biggest claims was that there would be a load of video CDs from the world of music. So far however, there haven't been that many, zero to be precise, but now the first is about to arrive and it is a fine example of what is coming.

Eurythmics, Greatest Hits is, like the films reviewed, a double CD. As you would expect it features both the audio and video tracks to many of their best tracks, including *Sex Crime*, *There Must Be An Angel*, *It's All Right (baby's coming back)*, *The King and Queen of America*, and *Would I Lie to You*. There are 22 songs on the two CDs and added to this is a Eurythmics discography. The last track is a collection of still frames (why only still frames?) showing their previous work.

BMG, the record company behind it, are also working on several other FMV titles, although no details were available at the time writing. However BMG are one of the UK's largest record company's and represent other major artists like Lisa Stansfield and Whitney Houston so we should hopefully see some big releases in future.

Typical to the music business, which always tries to charge as much as possible, music CDs will be priced at £19.99, rather than the £15.99 that the films are being sold for. **CU**



Ghost – on CD, a haunting experience?

Make the Connection



▲ Eye of the Beholder

CBM Amiga, PC & Compatibles 3.5"
RRP £16.99



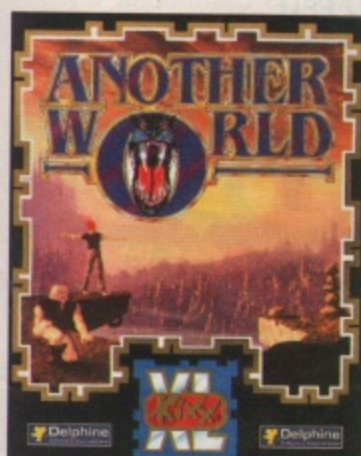
▲ Winter Gold

C64 disk, Atari ST, CBM Amiga, PC &
Compatibles 3.5" RRP £14.99



▲ Leisure Suit Larry 1™

Atari ST, CBM Amiga, PC & Compatibles 3.5".
Also available Leisure Suit Larry 2™
RRP £14.99



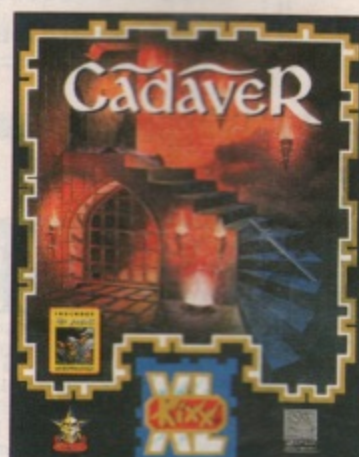
▲ Another World

Atari ST, CBM Amiga, PC &
Compatibles 3.5" RRP £14.99



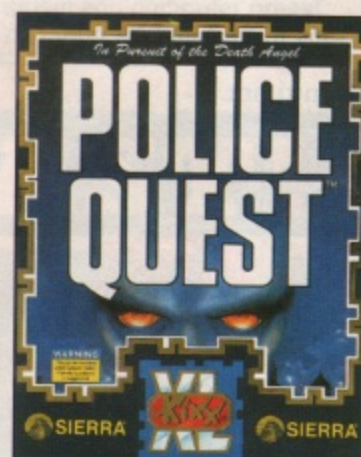
▲ Cybercon III

Atari ST, CBM Amiga, PC
& Compatibles 3.5" RRP £12.99



▲ Cadaver/Payoff

Atari ST, CBM Amiga, PC &
Compatibles 3.5" RRP £14.99



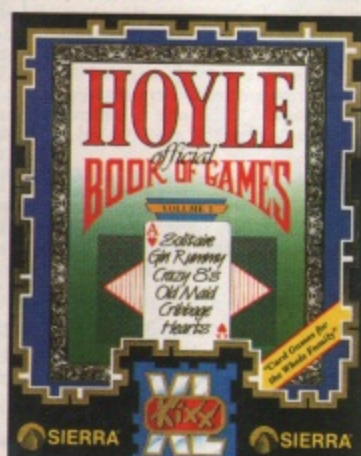
▲ Police Quest 1™

Atari ST, CBM Amiga, PC
& Compatibles 3.5" RRP £16.99



▲ King's Quest® I

Atari ST, CBM Amiga, PC
& Compatibles 3.5" RRP £14.99
Also available King's Quest® II
RRP £12.99



▲ Hoyle® Book of Games Vol. 1

Atari ST, CBM Amiga, PC &
Compatibles 3.5". Also available
Hoyle® Book of Games Vol.2
RRP £12.99



▲ Space Quest® 1

Atari ST, CBM Amiga, PC
& Compatibles 3.5" RRP £16.99



KIXX, Units 2/3 Holford Way, Holford,
Birmingham, B6 7AX. Tel: 021 625 3311

Fax: 021 625 3312

All trademarks are acknowledged as the
property of their respective owners.

Viper 68030 Turbo

Amiga 1200 accelerator board

£159

Standard (no FPU)



The amazing Viper 030 board is a feature packed accelerator card which outclasses the equivalent competitors 030 boards at a fraction of the cost.

The Viper will give an amazing 440% overall speed improvement over your Amiga 1200, making it even faster than an Amiga 4000/030! Some processor operations have speed increases in excess of fifteen times.

Some floating point operations are an incredible sixty seven times quicker, faster than an Amiga 4000/040!

Viper Features

- Full 030 with MMU running at 28Mhz
- FPU running up to 50Mhz
- Industry standard 72 pin SIMMS
- RAM, upgradable to 128MB using 1, 2, 4, 8, 16, 32, 64 or 128MB SIMMS
- Full kickstart remapping (FASTROM option)

- Optional SCSI-II adaptor
- 68882 maths co-processor
- On-board battery backed clock
- Faster than an Amiga 4000/030
- Supports instruction + data burst
- 50% cheaper than competition

Viper 2MB (no FPU)

£239

Viper 4MB (no FPU)

£309

Viper 8MB (no FPU)

£479

20 MHz FPU

£25

33 MHz FPU

£60

40 MHz FPU

£80



Power Drive

Why buy second best?



AWARD WINNER

Power Drive is the most impressive disk drive of its kind on the market. This award winning drive has the backing of the 'Commodore Quality Seal of Approval' to ensure complete compatibility with Commodore computers.

The drive includes a strong aluminium casing, an anti-click device, virus blocker, Cyclone compatible chip and the latest built-in backup hardware which allows X-Copy to copy and verify.

£60

Power Drive



£15

Cyclone & Blitz

Beware- Flickering LED's on your disk drive mean that the drive has not been modified by Sony for 100% Amiga compatibility.



Features	Power	Amitek
Anti-click	●	●
Anti-virus	●	●
Aluminium extrusion	●	●
Sony mechanism	●	●
Isolation switch	●	●
2 year guarantee	●	●
Thru'port	●	●
Upgradable to 1.76MB	●	●
Cyclone compatible chip	●	●
Built-in backup hardware	●	●
Amiga Format Gold	●	●
Disk drive modification by Sony to stop flickering LED	●	●

Power Computing Ltd

44a/b Stanley Street Bedford MK41 7RW Tel 0234 273000 Fax 0234 352207

Prices are valid for the month of publication only.

Prices include VAT. E&OE.



CYNOSTIC

Office 01, Little Heath Ind. Est. Old Church Road,
Coventry CV6 7NB United Kingdom,
Tel: 0203 681687 Fax: 0203 638508

Creating a PD disk takes up time and often authors ask us to attain their permission to distribute their work as a result. This we ALWAYS do. Others may not. We are in direct contact with the PD authors who matter. Others may not be. We regard the Amiga as the ultimate in domestic computing technology. Others....?
So who are you going to get your software from?
Cynostic bringing the domain to your doorstep.

ANIMATIONS

A0048 Eric Schwartz "Juggler 3"
A0049 A-D Mean Machines (4Meg)
A0051 Agony Panel (A)
A0133 Star Trek - TNG
A0136 AB A Day With Mr Pis'Toff

DEMOS

D0136 Sanity "Arte" (superb!)
D0141 AB "Big Time Sensuality" (A)
D0146 Arise "Smells Like Chanel No. 5 (A0)
D0152 Andromeda "Sequential"
D0184 AB Complex "Origin" (A)
D0191 AB SB "9 Finger" (essential)
D02078 Razor 1911 "We Shave Ass"
D0209 Movement "Numb" (A)
D0211 Rednex "Empty Head" (A)
D0212 VD "Full Moon" (A) (brilliant!)
D0216 A-C Ray World (A) (great!)
D0218 SCALA "Not Again" (A)
D0234 Cryptoburners "Crash Test"
D0247 Polka Bros "Friday at 8" (A)
D0248 Cryptoburners "Brain State In A Box" (A) (3 Meg)
D0254 Complex "Real" (A) (GET THIS DEMO!!! Best AGA yet!)
D0255 A-C Megawatts "Mindfield"
DxxxxAB Ram Jam "Taste The Difference" (A) (brilliant)

Dxxxx
Dxxxx

Oxygene "Cuzcko" (A) (get it!)
DreamDealers "Corinne" (A)

DISK MAGS

DM009 Planet E*1
DM024 A-C LSD "Grapevine" *19"

GAMES

G0109 High Octane (excellent!)
G0110 Deluxe Galaga +... (Superb)
G0117 Moose Drive (good laugh!)
G0175 SuperLeague 3 (authentic)
G0176AB Wrestling (great fun!)
G078 XAP Demo/Gladiator (!!!!)
G0179 Senseless Violence Demo
G0181 UChess 2.54 (A) (4 Meg)
G0186 Hoi AGA Platform (A) (good)
G0187 Megablock 2 (A) (Tetris)
G0188 Game HD Install Disk (install those games to your HD)

G0153 Cindy Crawford Klondike Cards (A)
(Requires G0152 A-C)

PICTURES & GRAPHICS

ALL the graphics from TG94 - Call
P0087 AB Andromeda "Seven Seas"
P0109 Cyber Force "Comic Art 3"
P0141-P0147 Imagine Objects
P0148 AB Eric Schwartz "Girls of Eric"
ALL Fit Chicks disks available!

SOUND

ALL the modules from TG94 - Call us!

S0154 Dance Classics
S0189 A-F F Project Alpha (A) (6 Meg)
S0208 A-C Scoopex Melodies

UTILITIES

U0039 VideoMaze 4.3 (video d/base)
U0092 Samplitude 2 (sampling software)
U0109 XPK Package 2.5 +
U0110 PowerCache (Disk Caching)
U0142 Teletext 1.2 (project)
U0164 PowerSnap 2.2+
U0174 Filer 3.1 + (D'Opus clone)
U0178 MTCopy 1.4 (brill copier)
U0180 VideoTracker (A)
U0182 AmigaFax 1.4 (Fax s/ware)
U0183 CDTV to CD32 k/board adapt

DISK PRICES

1-10 disks: £1.00 each
11-25 disks: £0.95 each
25+ disks: £0.90
Overseas: (as above)

POSTAGE

£1.00
£1.25
£1.50
£3.00

to order total

(A) = AGA Only!

Phone us for a full catalogue!!!!

If you don't see it - call us!

"Amiga Expt." CD soon - £11.99 - call

THE FINAL FRONTIER & HOLODECK

The Star Trek Disks!!

Critically acclaimed worldwide!
See PD Pages and/or phone us!!!

AM/FM

Essential disks for all Amiga musicians
Issue 18 out now! £2.25+p&p (*19 soon)
AM/FM Sample Disk(s) also available

Bjorn Lynne MONTAGE - on CD!

72 minutes of funk, jazz, techno, and dance on this Amiga/MIDI - produced CD. Acclaimed in the music and computer press!
£13.99+50p P&P

BIG MUSCLES FAST!

Get Big! And Get Noticed this Summer!

Do you want an attractive, muscular body? Have you noticed the 90's woman's preoccupation with men with sculpted physiques? Have you noticed the rise and rise of Chippendales, Versace Models, muscular actors etc? Would you too like to build an attractive, hard, muscular physique? If not, stop reading, if you do here is the way.

Building a good physique is not easy. You may have wasted money on manuals, on joining 'keep fit' gyms with clueless, self-centred instructors, spent a fortune on magazines learning the 'ways' of the 'champs', sent off for expensive 'no weights required' gimmicks. You may have wasted all this money and still had zero results and then gotten bored and stopped! We don't blame you. 99% of our clients went through all this themselves until they discovered the RIFFAST muscle building programme, based on the very latest American scientific concepts. This explosive new system is 100% natural requiring only 4x30 minute sessions a week from the privacy of your own home. It gives fast and phenomenal muscle growth in just 6 weeks, yes, 6 weeks! By Week 8, gains are even greater.

The system can be used to whatever degree of muscularity, mass or fitness required. The package contains a full instructional PROGRAM with COMPREHENSIVE MANUAL giving full details on this explosive system. And it is unbelievably simple to use.

Price is only £22 + £3 postage, packing & handling for a phenomenal system that really does work. Compare the price with that you have spent or maybe will spend! We promise that you will be 100% delighted with the results!

These ecstatic user reports confirm its phenomenal success:

- "I can't believe the silly things I was doing before I started the RIFFAST programme. These results are phenomenal. I've never seen anything like it!" F.H., Leicester.
- "I feel so strong, I look fantastic, how can anyone not use RIFFAST." S.W., New York, USA.
- "My friends can't believe my amazing bodybuilding success, in just 6 weeks my confidence has increased tenfold! Thanks!" J.K., Chorley.
- "My girlfriend's wondering what I'm on! She can't keep her hands off me! Thanks a million!" B.S., Notts.
- "At last! After years of wasted energy and cash, RIFFAST has given me the results I craved." Mr. S.B., Wales.
- "I used to be tall and skinny. Having wasted so much time and energy in the gym I almost gave up. RIFFAST has given me devastatingly handsome results." O.M., Glasgow, Scotland.
- "Your programme is the most effective I've ever tried." A. Omar, Karachi, Pakistan.
- "In a few weeks, RIFFAST has transformed my life." J. Barr, Toronto, Canada.
- "I can wholeheartedly recommend it to anyone." I. Jinnah, Bophutatswana, S. Africa.

ADD YOUR DELIGHTED COMMENTS TO THE LIST. USE THE RIFFAST SYSTEM AND TRANSFORM YOUR PHYSIQUE... TODAY!

Why RIFFAST? Thousands of delighted users worldwide can't be wrong! Use RIFFAST - one of the most powerful, effective, yet 100% natural muscle building systems ever devised! Apply this scientifically proven system to completely remove flab and pack on muscle, or to just gain phenomenal muscular mass quickly and safely. Make up for all the time wasted in the past - YOU HAVE NOTHING TO LOSE!

DON'T MISS THIS OPPORTUNITY FOR BUILDING A POWER-PACKED BODY. ORDER TODAY.

ORDER FAST & CLAIM YOUR FREE GIFT

Yes! I want results FAST, and I want to transform my physique the RIFFAST way.

Please send me Ripfast pack(s) which includes an instructional PROGRAM and complete MANUAL! @ only £22 + £3

postage, packing & handling (overseas add £3). I enclose CASH/cheque/P.O. payable to ATLAS for £.....

Tick as appropriate: ☐ I am enclosing cash please despatch my order immediately. ☐ I am ordering fast please also enclose my FREE GIFT.

NAME..... ADDRESS.....

POSTCODE..... DATE.....

Please send to ATLAS PUBLISHING, 2 EASTERN BOULEVARD, LEICESTER LE2 7BA.

Atlas Publishing are wholesale distributors of quality mail order goods.

DELIVERY TIMES: CASH - OVERNIGHT DELIVERY (Goods sent 1st Class Post same day). When sending cash please use a well sealed, non see-through envelope.

CHEQUES/P.O.'s - please allow 30 days. All orders despatched in plain cover. Mail Order ONLY.



Suitable for all persons
aged 13 and over.

FREE GIFT!

Order within 30 days of the cover date of this magazine and you will receive the phenomenal RIFFAST ABDOMINAL DEFINITION PROGRAM (currently retailing at £14.99) - ABSOLUTELY FREE! Take advantage. ORDER TODAY!

SCREEN SCENE

Be prepared to have your socks knocked off as you feast your eyes on the selection of games that we have for you this month. Can it get any better, we ask ourselves in a self-congratulatory tone?

- 52 ELFMANIA
- SUPERSTARDUST
- SENSIBLE WORLD OF SOCCER
- RUFF 'N TUMBLE
- 54 SIMON THE SORCERER PART 2
- 56 ISHAR 3
- 59 VALHALLA
- 61 WORLD CUP SOCCER
- 64 JAMES POND 3
- 69 TACTICAL MANAGER
- 73 SYNERGY
- 75 MR. NUTZ
- 78 ARCADE POOL
- 81 MONOPOLY
- 82 SIERRA SOCCER
- 84 BENEATH A STEEL SKY SOLUTION PART 1
- 87 VFM - JIMMY WHITE'S SNOOKER
- DUNE
- LURE OF THE TEMPTRESS
- ARCHER MACLEAN'S POOL
- SLEEPWALKER
- 92 VAMPYRA

A CU Screen Star is for games scoring 85%-92%. If a game gets one of these, it'll be of lasting quality and you can rest assured that, if you decide to purchase it, you won't be wasting your money.



93% and a game's worth a Superstar. We hardly throw them around, but if a game gets one it'll be completely outstanding.

Their hair is clean.
Their nails have
been manicured.
Their shoes have
been polished and
their shirts care-

fully pressed. First Impressions can be so important, don't you think?

SUPERSTARDUST

TEAM 17

THE GAMEPLAY: Take *Asteroids*, add a bit of *Asteroids*, and for good measure top up with generous dollop of *Asteroids*. Alternatively, take the previous game *Stardust*, and add some more *Asteroids*. If you think you could be overdoing it slightly with the *Asteroids*, then add a stunning 3D tunnel sequence for variety.

WHAT'S NEW: Not a lot since the previous game. This is essentially an upgrade of the standard chipset game released through Daze Marketing late last year. Glorious 256 colour graphics, more ray-traced chunks of rock than you could shake a stick at, and the tunnel sequences have been greatly improved.

BEHIND THE SCENES:

Bloodhouse, a Finnish company, are the team responsible, with their only other release to date being *Stardust* itself. Don't worry, though. These clever Finns aren't a single dimension enterprise. They've got plenty of other games to come, and they aren't all based on *Asteroids*!

FIRST IMPRESSIONS: We loved the first game, so of course we are going to be a little biased towards this one. Provided they don't change

the playability of the original too much (although it could be slightly easier?) then this is a sure fire hit.

An itchy trigger finger is just what's needed to play *Superstardust*. And Tony Dillon? He's itchy all over.



ELFMANIA

RENEGADE



THE GAMEPLAY: Elfmania is a beat 'em up to end all others. A fat king has taken over a land by force, and you have to hire combaters to go in and rescue the turf that's rightfully yours. Every fight you win marks a cross on the board that is



IMPRESSIONS

SENSIBLE WORLD OF SOCCER

RENEGADE

PSV	NETHERLANDS
1. HANS VAN BREKVELD	1. S. VAN DER KAM
2. BERT VAN DER KAM	2. BERT VAN DER KAM
3. JIM HERTZ	3. JIM HERTZ
4. HANS VAN BREKVELD	4. HANS VAN BREKVELD
5. ERNST FRIED	5. ERNST FRIED
6. GEORGE POPESCU	6. GEORGE POPESCU
7. JUAN ELERHIN	7. JUAN ELERHIN
8. ARTHUR HUNN	8. ARTHUR HUNN
9. EDUARD LANGE	9. EDUARD LANGE
10. GERALD VAN DER BEEK	10. GERALD VAN DER BEEK
11. PETER HOEKSTRA	11. PETER HOEKSTRA
12. MIKKEFT	12. MIKKEFT
13. FULUISH SWILTR	13. FULUISH SWILTR
14. KONING	14. KONING
COACH: HANS MEESTERHOF	CHGO: ON

THE GAMEPLAY: Naturally a large part of the gameplay is actually Sensible Soccer, upgraded and updated, but this time around there is a hell of a lot more to see. How about every team and every player in every league there is? Pick a continent, pick a country and pick a division — all your favourite teams are there.

WHAT'S NEW: The number of teams in the game. There are games around that allow you to tailor leagues and cups like Sensible World Of Soccer does, but there aren't many that let you do it with African Second Division teams! All the strips are correct and

even the colours of the players heads and hair is right. How do they get so much detail in there?

BEHIND THE SCENES: If you can't guess from the title, then you shouldn't be reading this magazine. Of course it's all been coded by Sensible Software. Who else keeps turning out games with very small characters? OK, DMA Designs...

FIRST IMPRESSIONS: If I said it looked anything else but wonderful, then I'd get lynched. It's Sensible Soccer, so you can't really go wrong with that, and it's been cranked up to a new level. It will go to number one and stay there for a year, as usual.

the world, and when you get five in a line you win! You only have a limited amount of cash, so being frugal at the start means you can splash out on the really big battles.

WHAT'S NEW: The Connect 4 idea. For the first time, we have a beat em up that isn't completely mindless. Instead of just having to work your way through a dozen very similar opponents, you have to play a more strategic angle, adding a whole new dimension to this sort of game.

BEHIND THE SCENES: The whole game has been masterminded by Stavros Fasoulas. That might not mean much to those new to computer games, but Stav was responsible for some of the biggest 8-bit games ever, particularly when it came to the ZX Spectrum.

Welcome to the Amiga, Stav.

FIRST IMPRESSIONS: The game is in quite a playable state at the moment, being only a month from review, so I can easily say it's a great game. An excellently coded product, it's almost guaranteed to fly off the shelves as soon as it hits them.

Take that you brute!



RUFF N' TUMBLE

RENEGADE



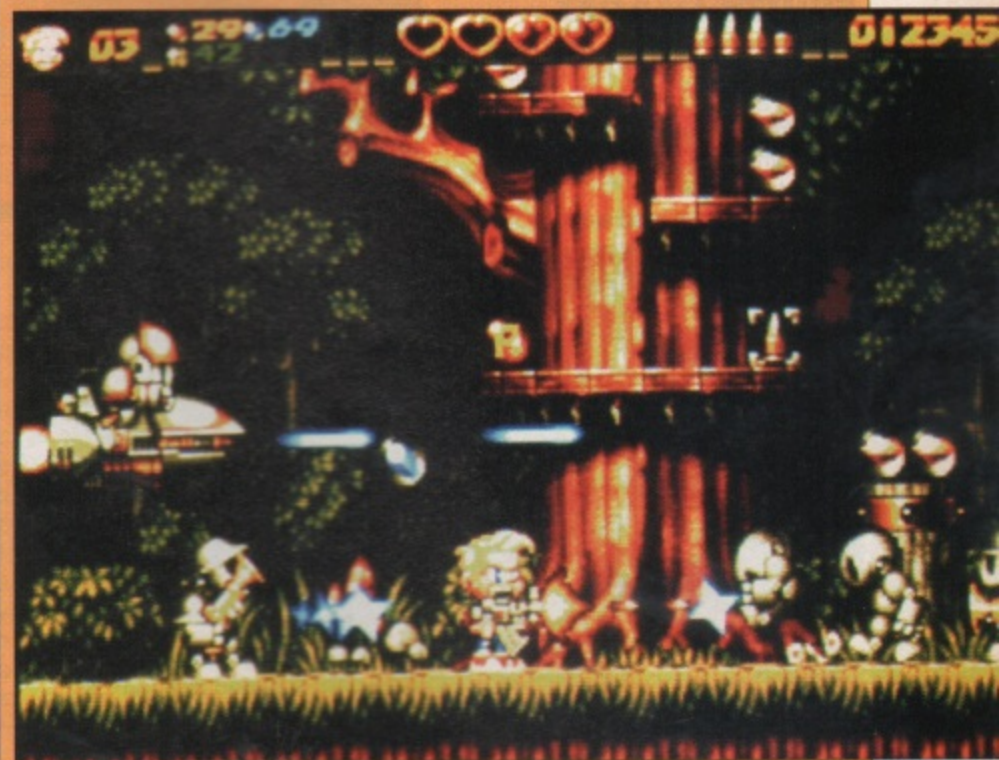
THE GAMEPLAY: A fast platformer where you, as Ruff, have to race around enormous colourful levels, collecting a set number of coloured marbles to take you to the next world. Jump on things to kill them, or shoot them if you can, and do all the other cute and crazy things that we keep seeing in platform games.

WHAT'S NEW: Not a lot, as far as I can make out from playing the game. It's a platformer, borrowing as much from others as they all do. That isn't to say it's not a good game, it just

isn't completely original.

BEHIND THE SCENES: The game is being coded by Jason Perkins, who you will know from his previous work on Apocalypse.

FIRST IMPRESSIONS: As I've said, it doesn't come across as entirely original, but it's playable enough and looks good enough to appeal to a wide section of gamers. At the moment there are a few playability bugs to be sorted out, but once they're done I'm sure it will be great.



Above: Lots of roughness, but no-one seems to be tumbling.

SIMON THE SORCERER 2

- the Lion, the Wizard & the Wardrobe



WIP

Simon The Sorcerer is preparing to make his big return. To some, it might seem like he has never been away, but since the first game was finished the boys and girls at Adventuresoft have been beavering away like mad to create the ultimate graphic adventure. There are those who may think that Simon stands up quite easily against anything other programming teams have to show. But be prepared to be amazed. *Simon The Sorcerer 2* - the lion the wizard and the wardrobe really does look like it's going to be a whole lot better.

"We've really gone to town," proclaims Mike Woodroffe, beaming from ear to ear.

"We've got seven full-time artists now, after sifting through over 300 applicants from one advertisement. It's surprising how you can work through so much high-quality art, and end up with a shortlist of 20 to 40 artists, and then find out just how many can't make the jump to computer art. One bloke came in for a test, and walked out in an hour. He did superb artwork, but couldn't hack it on a machine."

FRUITY IMAGES

Take a look around this page, and you'll see the fruit of these seven graphic artists. Although the game is easily recognisable as the sequel to the original, the actual quality of the art is streets ahead.

"The artists started work on the

With the CD32 version of *Simon The Sorcerer* out of the door, Adventuresoft gets stuck into his second escapade. Tony Dillon discovers that things are looking better than ever in wizard world.



Just looking at the screenshots on this page should give you some idea as to how good *Simon 2* is.

first of September," says Mike, pulling out a date-stamped disk from a drawer full of identical disks. 84 identical development disks in fact.

So what's the plot for the new



game? Well, essentially, the evil wizard, Sordid, who Simon managed to kill at the end of the first game, has returned - albeit as a ghost, and he wants to wreak revenge upon the

young boy who caused him so much trouble. To do this, he has created a magic time-travelling wardrobe, which will pick Simon up and transport him to the evil wizard. Unfortunately,

YOU'VE BEEN FRAMED



Wooah hoss, looks like someone's in a real hurry. Just look at that nifty leg work. The animation is really superb in *Simon 2*. The above frames are just a small selection from thousands of frames.

something goes wrong, and Simon is dumped outside a shop belonging to the good wizard Calypso, and hilarious consequences follow.

SLOW DOWN VAMPY

The puzzles in *Simon 2* look far more complex than its predecessor – there is no way Vampyra is going to solve this one in a day. For example, when Simon arrives outside Calypso's shop in the Wardrobe, Calypso tells him that he'll need to get some Mucosade to generate the 1.21 Gigawatts of power needed to get the wardrobe going again. To get some of the Mucosade, you have to get into the Royal Castle. The King is looking for a new magician, so he



A scene from the introduction, as Sordid explains his evil plan to Runt, his apprentice.

holds a competition. When you arrive there are all these crusty old wizards, and there's no way Simon could compete against these guys with their heavy-duty magic. So the only way to win is to cheat. He goes to the Street Of Traders, and buys a Do-It-Yourself stink bomb kit. Then he has to get some swamp stew from the Swamplings who, in the meantime, has gone upmarket and opened a chain of restaurants called McSwamplings and doesn't make stew anymore. At this point things start getting really complicated, and without wanting to give too much of the game away, a Swampling costume is made, the stink bomb is let off, various things are done to various people, and then... well, you'll have to wait and see.

FAMILIAR FACES

Once again, Simon Woodroffe, the author the of the Simon games, has borrowed copious amounts from popular fiction throughout the script. "Simon does this a lot," explains proud father Mike. "If you read through our games, you'll find quotes from all over the place. People like things they're familiar with. This is why *Simon 1* has been so successful. They know the story of the Three Billy Goat's Gruff. They know the story of Rapunzel. It all works for them. It's familiar ground."

There's no shortage of familiar faces in *Simon 2*, just in case you were wondering. Most will have already got the connection with the title (a tip of the hat to C.S.Lewis) and quite a few will have got the *Back To The Future* storyline, but there is much more to it than that. *The Three Bears* make an appearance in this game, but in this case *Goldilocks* is a persistent offender, and as a result the Bear's cottage is like a fortress – they are so fed up with *Goldilocks* coming in and raiding it. *The Lady Of The Lake* makes her own waves in the game, dressed in a wetsuit and oxygen tank. You will need to get past her, but she won't let you until she sees the royal seal, which in true *Simon* tradition will actually be a seal – the kind that do tricks with balls and catch fish!

One thing that Mike is taking into consideration for the sequel is the move to CD-ROM and CD32 platforms. Whereas the first game was a text-based adventure that moved eventually to CD, the script for the sequel is being written with the spoken word particularly in mind. And Mike has laid out for a Hollywood collection of sound effects for the game, which, when combined with the new improved script make the game just as enjoyable to watch as to play, as the running demo

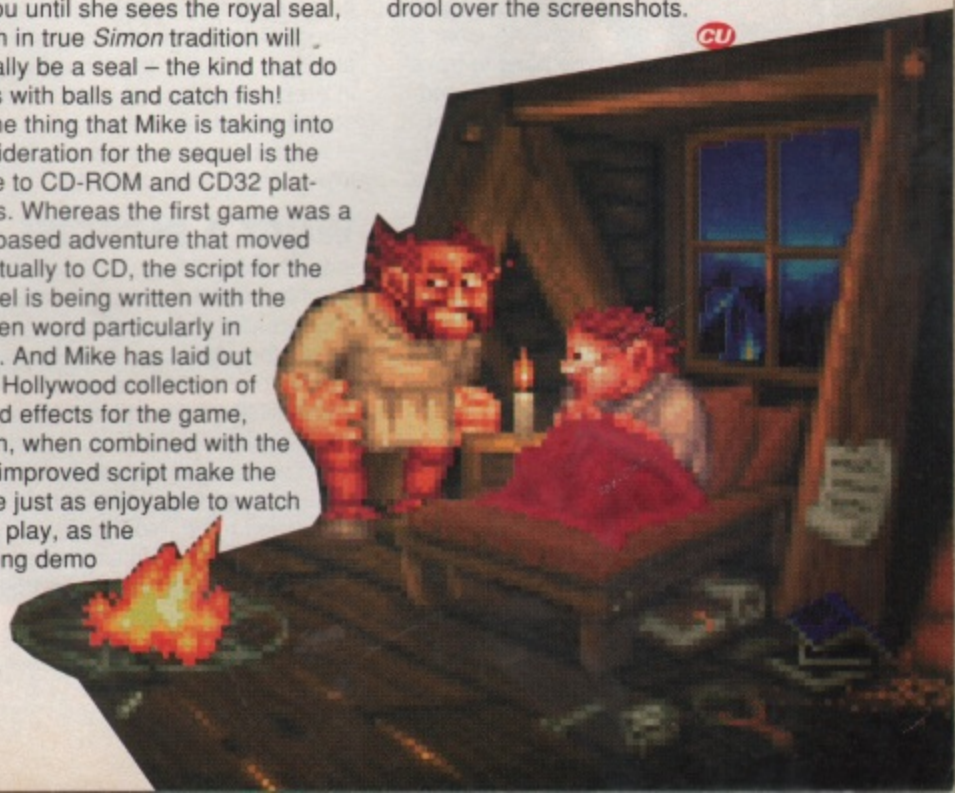


Top left: The Street of Traders. Top right: McSwamplings – the Swamplings' new home.

Adventuresoft showed at the ECTS proved. The inclusion of sound effects will also be a welcome relief for fans of the original game who only had the choice of music or silence. Mike has listened very carefully to criticisms and praise for the original game, and is confident that *Simon 2* will be the first graphic adventure to get it completely right.

The game should appear somewhere towards the end of September, so don't hold your breath for it. We'll have a full review as soon as we can, but until then, just drool over the screenshots.

CU





ISHAR 3



WIP

Daze software is fast becoming one of the largest RPG adventure specialists in Europe. Steve Keen gets the latest chat, straight from the intercontinental fax, on their latest spectacular creation.

Ishar 3 is set to hit our shores in June and although French programmers Silmarils are constantly updating the code, they are confident that it'll keep its projected release date. The plot for the third adventure goes like this: The evil wizard Shandar, from *Ishar 2* has made a surprising comeback. His plan is to reincarnate himself in another form, so the search is on for another body. Pulling out all the stops the mad wizard decides to come back as a gigantic 2,000 year old winged dragon, named Wohratax. The creature is immortal and the last remaining member of the Black Dragon race. So it's down to you to destroy the immortal dragon before Shandar can take control of his soul.

"We've introduced a whole new host of features for the new game," say the Silmarils programmers. "In *Ishar 3* you have to travel back in time and find the key plot points scattered throughout history by using the series of time gates – portals that open up pockets back to the past.

To defeat Shandar you have to be in exactly the right place at the right time, whenever that time may be."

In fact, time seems to be a key factor in the entire Silmarils production schedule. The programmers have been beaver away on *Ishar 3* for over a year now, but it looks like it's been worth the wait.

"The AGA version features gorgeous 256 colour graphics, enhanced sound effects and faster gameplay than just about any other RPG around," continues Louis Marie, head of the company's production team. "The CD32 version will feature all the AGA enhancements plus animated film sequences that we've yet to announce. All the action in *Ishar 3* is in first person 3D and the graphics have even more depth and remarkable atmosphere than the previous two games. What we've tried to do is recreate the feeling of Tolkien-esque adventures on the home computer and produce a game of exceptionally highly polished, state-of-the-art visuals, with a stunning plot. For us, *Ishar 3* is rich in dream-like images, colour and sound and is the closest anyone has ever come to producing a Tolkien-like adventure on computer."

WHAT A PICTURE!

Indeed, *Ishar 3* features incredible graphics with the added novelty of photo-realistic characters.

"All the characters have been created by photographing real people and digitising them into the game," Louis explains.

"This gives the game an even more realistic feel and serves to draw you even further into the plot. You can create your own characters and choose their appearance from a series of French models,

and taverns. RPG fanatics will know that adventure games are loaded with options and features, and so will be pleased to see that *Ishar 3* is no different. Players can choose their own names, race, class, appearance and characteristics from over 100 different personalities. These individual characteristics also affect the action in the game.

"We've given every character his/her own individual style," states Louis Marie. "Some may be prone to stealing, others may not be trustworthy and lie a lot, whilst another group may be murderous and do away with

party members. The programming team have created real-time fighting with totally new tactical screens and even implemented a system that can interrupt combat and turn night to day."

GETTING AROUND TOWN

Ishar 3 is totally mouse driven and all the action takes place with the traditional point and click interface. From first impressions the style and feel of the game are in a class of their own and, with its varied sub-plots, *Ishar 3* is definitely not as straightforward as other RPGs. Marie adds:

"Linear is not a word you could use to describe *Ishar 3*. There are always different routes to take and alternate avenues to follow."

Although Silmarils have put humungous efforts into *Ishar 3* they reserve the title of 'Most Technically Advanced Game' that they've produced for the soon-to-be-released *Robinson's Requiem*. However, *Ishar 3* is looking stunning and is definitely one of the most eagerly awaited adventures we've seen for a long time.

Louis Marie concludes: "*Ishar 3* is an extravaganza of an RPG with undoubtedly the finest graphics and the best plot we've come up with yet. Fans of the previous two games will not be disappointed."

And we're certainly not about to argue with him. For now. **CU**



who've been scanned in and digitised from professional photographic portfolios. Every one has their own personality and they develop as individuals as the game goes on. A whole web of sub-plots keeps the game ticking along, so that even when the final goal of destroying the dragon wizard seems miles off, the game never becomes boring because there are always equally exciting tasks to undertake along the way."

A-Z ANYONE?

Seven different locations appear in the game including, jungle, fortress, mountain and forest scenarios. Each location will appear different, depending on which time span you're in, plus there are scores of indoor locations like casino, temple

ISHAR 3

THE SEVEN GATES OF INFINITY

Remember...
So many battles...
But the peace that was so hard fought for, is short lived...
The shadow of Chaos is cast anew on the walls of the citadells...
A journey throught the gates of time itself, in pursuit of the dragon of Sith,
the last survivor of the Great Black Dragons...
The third installment in the saga of the Kingdom of Arborea, Ishar 3
journeys once more into the universe of the RPG, with its strange worlds,
mythical adventures, imaginary creatures - possibilities of creating and
reusing the characters from past adventures.



Silmarils

Available for PC and compatibles
AMIGA/AMIGA 1200
ATARI ST/STE/FALCON
MACINTOSH - CD 32

SILMARILS UK, 2 CANFIELD PLACE, LONDON NW6 3BT TEL : 071 328 2762 FAX : 071 328 2738



COLOUR KITS for MONO PRINTERS

Ever wished you'd bought a colour printer instead of a mono one? Wouldn't it be nice to print out pictures in colour? Now you can with Amiga "Flexicolor Kit". Each Amiga Flexicolor kit comes complete with everything you need to print in colour, including superb software. The colour kit is simple to use, the ribbons fit exactly the same way as your black ribbons so it will not affect your guarantee. Also on all models listed below paper alignment is automatic, you do not have to manually align. PRINTS AS GOOD AS COLOUR PRINTER. If your printer is not listed below please phone. Amiga Flexicolor kits for Star LC10, LC20, all Star 24 Pin, Panasonic 1080/81/1123/1124, Epson FX80, FX100, LQ800 etc. Citizen 120D+, NEC P6, P6+. Please note colour kits come complete with coloured ribbons. COMPLETE KIT £39.95

FLEXIDUMP 2

- ★ Total COLOUR CONTROL
- ★ Select area to print
- ★ Select size to be printed
- ★ Balance control for enhancing dark pics IFF or HAM
- ★ Now includes new feature to insert colour pics into word processor documents. ★ Page control. ★ Colour sieve
- ★ Ink correction. ★ Pattern rotate. ★ Dot pattern control
- ★ Automatic poster mode for larger than A4
- ★ Production Graphic/Text Labels/Letterheads
- ★ Multiple copies control
- ★ PRINT FULL COLOUR ON YOUR BUBBLEJET PRINTER
- ★ Colour separation for B jets. ★ Laser quality colour graphics
- ★ Import larger than screen size files and use Flexidump to reduce (produces superb letterheads).
- ★ Gamma correction (fully adjustable and savable)
- ★ Colour/Mono catalogue function. Will print a mini picture (size selectable) of a complete disc (sorted alphabetically) including titles
- ★ Ideal for T-Shirt printing. Drives a wide range of Colour and Mono printers. Star LC10, LC20, LC200, Citizen Swift, Nec, Panasonic KXP2180/2123, Canon etc.

£39.95

UPGRADE FROM FLEXIDUMP TO FLEXIDUMP 2 £11.75 inc. RETURN MASTER

How to order: Enclose cheques/PO made payable to: CARE ELECTRONICS or use Access/Visa.

CARE ELECTRONICS

Dept CUA, 15 Holland Gardens, Garston, Watford, Herts, WD2 6JN. Fax: 0923 672102

ORDER LINE ON 0923 894064



T-SHIRT PRINTING RIBBONS

PRINT ON NORMAL PAPER IRON ON T-SHIRT

4 Colour Citizen Swift	£29.95
4 Colour Citizen Swift (Reload)	£14.95
4 Colour Star LC10	£14.95
4 Colour Star LC200 9 Pin	£19.95
4 Colour Star LC200 9 Pin (Reload)	£12.95
4 Colour Star LC200 24 Pin	£29.95
4 Colour Star LC200 24 Pin (Reload)	£14.95
1 Colour Citizen 120D/Swift	£11.95
1 Colour Star LC10	£11.95
1 Colour Star LC200 9 Pin	£11.95
1 Colour all Star 24 Pin	£11.95
1 Colour Epson FX80/LQ400/MX80	£11.95
1 Colour Epson LX80	£11.95
1 Colour Epson FX100	£11.95
1 Colour Panasonic KXP 1080	£11.95
1 Colour Taxan/Canon 1080A	£11.95
Heat transfer Pens 5 large red/orange/yellow/green/blue, Large pens have a marker size nib	£14.95 a set
Heat transfer Pens 5 small red/orange/yellow/green/blue, Small pens have a fine nib	£11.95 a set

HP DESK JET, HEAT TRANSFER INKS, BLACK REFILL £14.95. TRI-COLOUR REFILL £39.95. TRANSFERLAQ for Transferring onto Ceramics, Glass, Aluminium £14.95. HEAT

ALL PRICES INCLUDE VAT AND CARRIAGE

COLOUR PRINTER RIBBONS

Don't throw away your plastic printer ribbon cases when the ribbon wears out. Just take the top off, take out the old ribbon and reload it with a new one. It's simple. Full instructions supplied.

Reloads for:-	
Star LC200 9 Pin 4 Colour (Normal Ink)	1 Reload - £5.99 5 Reloads - £23.95
Star 24 Pin 4 Colour (Normal Ink)	1 Reload - £6.99 5 Reloads - £29.95
Citizen Swift 4 Colour (Normal Ink)	1 Reload - £6.99 5 Reloads - £29.95
Panasonic 4 Colour (Normal Ink)	1 Reload - £6.99 5 Reloads - £29.95

Ink ribbons also available in Gold, Silver, Magenta, Orange, Purple, Brown, Green, Blue, Red for a wide range of printers. Special reink for Panasonic printers and Star LC200 9-pin black bottle.....£9.95

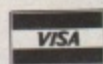
HP DESKJET/CANON BUBBLEJET REFILLS

"CARE THREE PACK" will refill HP51608A Cartridge 3 times. The Canon BC-01/SJ48 Cartridge 3 times. Three Pack available in Yellow, Magenta, Cyan, Red, Blue, Green, Brown, Purple, Black £14.98 each.

"TRI-COLOUR PACK" 3 Yellow, 3 Magenta, 3 Cyan refill £17.95 available for Bubblejet and Deskjet

"CARE SIX PACK" will refill HP51608A cartridge 6 times. The HP51626A High Capacity 3 times. The Canon BC/01 Cartridge 6 times.

Please state type when ordering
6 BLACK REFILLS ONLY £24.95



Visage Computers

When Ordering By Post Please Make Cheques, With Bankers Card Number Or Postal Order Payable To "Visage Computers"

DEMOS

1. Complex -Real *AGA* (2)
2. Faculty -Lethal Dose 2 *AGA*
3. Spasm James Brown (I Feel Good)
4. Movement -Mina Omistyn *AGA* get it!
5. Ramjam Taste The Difference. *AGA* (2)
6. Flying Cows-Lame BBS intro
7. Crypt burners-Brainstate in a box. *AGA* 2MB+
8. Polka Brothers-Friday At Eight *AGA*
8. Andromeda Sequential 1st at gathering 94
9. Talent-- QED 2 *AGA*
10. Mystic-Vital. *AGA*
11. Exile- Facets Pussy
12. Sector T--Runaway Brain
13. TEK-Rampage
14. Razor 1911 "We Shave Ass"
15. Spaceballs "Nine Fingers (2)"
16. Complex-Origin *AGA* (2)
17. Cryptoburners--Crash test
18. Nova -SOHO *AGA* (3)
19. RageMaximum Overdrive *AGA* (2) FD/HD
20. LSD--Jesus On E's *AGA* Fixed (2)
21. Anathema --A Febble Time
22. Old Bulls/Tilt-Impulse 2 (2)
23. Lemon-Really Good *AGA* Demo
24. FAIRLIGHT-FULL Moon AGA (CU Rated 90%).
25. Axis-Big Time Sensuality
26. Scala- Not Again *AGA*
27. Lemon - Groovy
28. Keffrens -JDesert Dreams (2) Essential Demo
29. Mad Ekt technological Death
30. Fairlight-- 242
31. Sanity-Arte(Cool Demo)
32. Investation-Rayworld *AGA* (3)
33. Team Hoi-Final Chapter *AGA* (3) Cert 18
34. Naxious-Beyond Belief *AGA*
35. Rednex-Empty head *AGA*
36. Arise Smells Like Chanel No 4 *AGA*
37. Lymex Projects -Wind It Up
38. Rage Neural Assault

CALL FOR LATEST TITLES

UTILITIES

1. D Copy 3.1- Best Pd Copier Available
2. N Comm V3.0--Excellent Comms Package
3. Engineer Pro-- Ripper Disassembler.(Top Tool II)
4. Relokick 1.3 --Essential For K52 Users
5. Relokick 1.4-- AGA turns CPU Cache Off
6. P C Task V2.03 -- PC Emulator
7. Text Engine V4.1-- Best PD Word Processor
8. V Morph V2. 03008 --PD Morphing Package
9. North C -- C Compiler (2)
10. C Manual -- Complete Tutorial (12)
11. LSD- Shaggybug-Monitor,Disassembler
12. DMS Pro v2.0 --Now Packs High Density Disks
13. Octamed V2. 0--Latest PD Release
14. A Back Up V.4 03
15. Action Replay Pro-- Fully Supports A4000,030,040
16. Snoopy Dos V1.5-- Monitors Systems Calls
17. EPU -- Hard Disk Expander, Works Invisibly
18. Procad V1.00--Excellent PCB Designer
19. Cheatlist- A-Z Of games Cheats (2)
20. Trashm 1--Excellent Assembler. 680*0
21. Big Anim V3.5 --Lets You Play Huge Anims From HD
22. Filemaster v2.2 --Really Good Directory Utility
23. LSD --Ken Ds Spectrum Emulators Game Collection
24. Super Duper--Multi Tasking Disk Copier (REQ K52+)
25. Virus Checker V6 34 -- Latest Version
26. Diskalv V11. 28-- (REQK52+)
27. AIBB V6. 55--System Performance Evaluation utility
28. Crunchmania V1.9 -- Latest Version
29. Infect Ripper -Rips Virtually AllKnownModuleFormats
30. V2 EMULATOR --Emulates K52 (A500) only
31. Video Tracker-Excelnt Demo Creator.(10) Rec 2VIB+HD
32. Messysid V2 --Converts PC To Amiga Files.
33. Mandelplot4 -2D OR 3D Fractal Generator
35. 600 Business Letters
36. Magic Work Bench
37. Next Generation Workbench.(2)
38. Amiga Game Referencer Games Database

CALL FOR LATEST TITLES

ART

1. NFA--Bodyshop 4 *AGA* (2 Disks)
2. ERIC SHWARTZ -- Quality Time *5 MB REQ(4Disks)
3. ERIC SHWARTZ -- Bait Masking *2 MB REQ*
4. 3 WAYS TO STOP SMOKING *1.5 MB REQ*
5. CRYPTOBURNERS--Revelations
6. REN & STIMPY PICTURE SHOW
7. CLAUDIA *AGA* Slideshow CERT18
8. BRIKA *AGA* Slideshow Cert18
9. COMAX -- World Of Manga *AGA* (4)
10. SUICIDEMAN 2 1.5 MB

MUSIC

1. SCOPEX- Melodious Tunes (3)
2. PSIONIC L'Esperanza
3. ANATHEMA-Hilargo (Ambient Style)
4. ANATHEMA- N'R Seven
5. LOGIC- TRANSCENTRAL WORLD. (3) DISK
6. ABSOLUTE-Swedish Music Disk
7. IMPACT virtual Harmony
8. STELLAR-Chipsie Kings
9. DEIGHT Pandamonium
10. BASS CREW. HARDCORE TRAX 1 (REAL HARDCORE)
11. INTENSE polychrome.
12. DIGITAL EXTENDEDORISED (SUPERB MUSIC)
13. SPACEBALLS/NOISELESS--Dizzy Tunes 2 (3)
14. DIMENTIA UK PARTY 3 MODS (3)
15. DUAL CREW/SILENTS-SONIC ATTACK 2 (4)

OTHER STUFF

- Fred Fish-- 1-1000
LSD Legal Tools-1-154
Assassins Games--1-170
LSD Grapevine Disk Magazine Issue 19(3)

FOR THE BEST & VERY LATEST AMIGA PUBLIC DOMAIN CALL "VISAGE COMPUTERS" WE WILL NOT BE BEATEN ON SPEED & SERVICE. ALL OUR PUBLIC DOMAIN IS COPIED ON TO BRANDED DISKS WHICH ARE CERTIFIED 100% ERROR ORDERS TAKEN MONDAY-SATURDAY 9AM-5.30PM

KEY() = NUMBER OF DISKS
PLEASE NOTE THIS IS ONLY A SMALL SELECTION OF OUR PD LIBRARY. WE HAVE NEW PD ARRIVING EVERYDAY

"CALL FOR LATEST TITLES" TO ORDER PHONE 0602 444 501 OR SEND CHEQUES/PO TO "VISAGE COMPUTERS" 18 STATION RD ILKESTON DERBYSHIRE DE7 5LD

ACCESSORIES

Precision 3.5" DS/DD ..10	4.99
Precision 3.5" DS/DD..50.....	22.50
Precision 3.5" DS/DD..100	41.00
Mousemat	2.99
Amigas Dust Covers	4.99
50 Capacity Storage Box	3.50
100 Capacity Storage Box	4.99
Roll Of Disk Labels 1000.....	7.99

*Software & Hardware Also Available Call For Latest Prices

DISK PRICES AND POSTAL RATES

NO OF DISKS	PRICE PER DISK	P&P
1-10	£1	£1
11-25	95p	£1.25
26+	90p	£1.50

You may not have heard much about them yet, but by the end of this summer they will be the name on everyone's lips. Let me introduce you to Vulcan Software.

The Portsmouth-based trio of Terry Carrington, Paul Carrington and Lisa Tunnah are extremely excited. Towards the end of last year they came together as a brand new software house, called Vulcan Software, with the aim of righting wrongs, fighting injustice and showing the world just what the Amiga is capable of. Three months into production of their first game, coder/artist Paul is sitting in the bath when he cries the proverbial 'Eureka' and runs screaming to his keyboard. And so, *Valhalla* was born – the game that looks likely to revolutionise adventure games.

Valhalla is the tale of a sweet young fellow who has returned to his homeland to stake his claim for the throne which is rightfully his. Before he can do this, though, he has to work his way through an enormous tower, puzzle solving all the way, battling past guardians, pits, spikes, traps and just about anything else you can think of. Still, he's a resourceful young fellow, and with a little luck and ingenuity, he will succeed at this most impossible of quests. Oh, by the way, this is where you come in.

LOOKING UP

Playing the game at this early stage, things are looking quite



TALKING ABOUT THE FUTURE

amazing. Ignoring the typical side-on view favoured by the likes of LucasArts, *Valhalla* plays from a top-down perspective, so you watch the player from above as he smoothly walks through the castle, his hair swinging with every step. See him get trapped by a spike. See him fall down a pit. Chuckle as he looks up at you and says in a clear voice 'I'm scared'.

What? Didn't I tell you he could speak? It's true, I say, *Valhalla* is the first ever talking adventure to run off floppy disks. Four disks of samples provide you with scintillating conversation and amusing insights into the working of the castle as you trundle around fixing injustices. Why else did you think Paul cried 'Eureka'? Okay, so CD owners might not be immensely impressed, but the entire CU AMIGA team was when this disk appeared in the post.

The intention is to give you a character to play with, one you can identify with and enjoy controlling. There is little text in the game, and the simple control method (five

icons, including the save and load menu!) means that players will be able to concentrate on the game without worrying about missing anything or not using anything in the correct way. If you try, the little guy on screen will look up at you with those imploring eyes and say 'I can't do that'.

SPEAK CLEARLY

Vulcan are convinced that this is the way forward for adventure games, and playing the first level of this five-level game, I'm inclined to agree. Obviously, the samples aren't as clear as a CD adventure, and they are limited to a couple of seconds at a time, but they do add to the gameplay a lot, even this early on.

The one concern that Vulcan did have was that there was to be no disk swapping at all, something they have succeeded at. You switch disks between levels, but that's as far as it goes. Running from floppy will mean a slight lag between selecting an option and hearing the speech, but as this will be less than a second, there is no danger of floppy users losing out.

With some very clever programming and recording techniques, Vulcan Software have come up with a groundbreaking piece of software. As I speak, the game is about three weeks from completion – quite a feat considering it's only nine weeks old at time of writing. Quite why the game has developed so quickly is a little hard to pin down, but it could just be that Vulcan Software are a

very dedicated and enthusiastic bunch, who love great games and are in love with this one. Or perhaps because the team only comprises three people, the waiting time for all the different elements of the game such as sound, graphics and so on is dramatically reduced because there are fewer channels for all the components to go through.

Valhalla should be released on all Amiga formats within the next month, with hopefully a CD32 conversion a little later down the line. Until then you can dribble over these screenshots, and wait for the full review next issue. **CU**



TRILOGIC

UNIT 1,
253 NEW WORKS RD,
BRADFORD, UK,
BD12 0QP Est 1984
FAX 0274 600150

SALES ACCESS VISA
0274 SWITCH DELTA
691115 CONNECT AMEX
SWITCH CARDS
ACCEPTED FOR
TELEPHONE ORDERS

FAST PROFESSIONAL MAILORDER
SERVICE. SAME DAY DESPATCH
1) Order by phone using your credit,
charge, or debit card.
2) Order by Mail - sending cheque
bankers draft or postal orders payable
to TRILOGIC.
3) Please add part postage & packing
of £1.00 to small orders under £100 or
£2.00 to small orders over £100.
Large/heavy or fragile items sent by
carrier only: 48HR £5.50 Overnight
£7.50 UK Mainland only. Scottish
Highlands £9.50; N.Ireland £12.00;
EIRE +£20 UK Saturday delivery £14.00
(Not available to Scottish Highlands)
Goods remain our property until paid
for. *Subject to goods being in stock.

AMIGA 4000			
	2MEG	4MEG	6MEG
4000 030EC			
80M HD*	£979	£1079	£1129
130M HD	£999	£1099	£1149
170M HD*	£1029	£1129	£1179
212M HD*	£1049	£1149	£1199
250M HD*	£1069	£1169	£1219
340M HD*	£1099	£1199	£1249
420M HD*	£1149	£1249	£1299
540M HD*	£1249	£1349	£1399

PRICES INCLUDE FREE DELUXE PAINT 4
& WORDMOUTH V2

4000 040LC/6MEG
(170 TO 540M HD VERSIONS ONLY)
ADD £450 TO ABOVE 030 6MEG PRICES
GVP SCSI INTERFACE £124.99

**ADD PC COMPATIBILITY
TO YOUR 2000, 3000 OR 4000**
VORTEX 486 25MHz PC CARD ... £499.99
VORTEX 486 50MHz PC CARD ... £649.99
BOTH PC CARDS HAVE 2.5MEG RAM
SVGA CARD for above from ... £49.99
GG FDD CONTROLLER CHIP ... £29.99
MONITOR MASTER enables VGA monitor to
display PC & Amiga output. ... £109.99

PRINTERS
CITIZEN
CITIZEN SWIFT 90 MONO £149.99
CITIZEN SWIFT 90 COLOUR £159.99
CITIZEN SWIFT 240 MONO £204.99
CITIZEN SWIFT 240 COLOUR £229.99
CITIZEN SWIFT 200 MONO £179.99
CITIZEN SWIFT 200 COLOUR £194.99
PROJECT II - NEW PRICE £209.99

HP DESKJET DEALER
DESKJET 550 C £489.99
DESKJET 560C £524.99
DESKJET 310 MONO £274.99
310 SHEET FEEDER £49.99

CANON DEALER
CANON BJ105X £195.99
CANON BJ210 £329.99
CANON BJ6000 LOWER PRICE £549.99
BJ10 AUTO SHEET FEEDER £47.99
EPSON STYLUS 800 £259.99

MONITORS
MICROVITEC 1438
NEW 14" HI-RES
COLOUR MONITOR
14" ANTIGLARE SCREEN,
0.28mm DOT PITCH
DESIGNED ESPECIALLY FOR THE AMIGA
SWIVEL/TILT BASE,
PRESHOT AUTO PICTURE SIZE
TRUE MULTISYNC - WORKS WITH ALL
AMIGAS IN ALL MODES + PCs (SVGA)
only £289.99 inc leads
OPTIONAL STEREO SYSTEM £19.99

SHARP TV MONITOR
14" SCREEN; FULL REMOTE CONTROL; RGB
SCART SOCKET inc Amiga lead.
ONLY £164.99

AMIGA 500 HARD DRIVES & UPGRADES			
GVP SERIES II HDD+ 42 Meg	for A500	PRICE DOWN =	£214.99
GVP SERIES II HDD+ 170meg	for A500	SPECIAL OFFER	£149.99
GVP SERIES II HDD+ 340meg	for A500	SPECIAL OFFER	£449.99
GVP SERIES II HCB	for A1500/2000/4000 - NO DRIVE		£124.99
GVP SERIES II HCB + 42meg	for A1500/2000		£214.99
GVP SERIES II HCB + 170meg		SPECIAL OFFER	£349.99
GVP SERIES II HCB + 340meg		SPECIAL OFFER	£449.99

VORTEX AT ONCE CLASSIC 286 PC EMULATOR FOR A500 ETC £49.99
GVP PC286 PC EMULATOR CARD FOR SERIES II HARD DRIVES £99.99

PRICES WERE CORRECT AS OF 19-4-94, but some may have changed by the time you read this.
All registered trademarks are acknowledged. Callers are most welcome but please phone first to check availability & avoid disappointment - we try to keep most items in stock unlike some of our competitors and will gladly put items aside
for you to collect, but shortages of some items do occur from time to time. 2% surcharge applies to some items paid by credit card - does NOT apply to debit cards - 1% SWITCH/DELTA/CONNECT AND cash/cheq. 4% SURCHARGE ON ALL AMEX CARD SALES

FREE FITTING.
HARD DRIVE
FITTING CENTRE
OPEN 6 DAYS.
IF YOU ARE NOT LOCAL
WE COLLECT - see below

DRIVES AT LOW PRICES

40 MEG only	£129.99	210MEG only	£234.99
64 MEG only	£159.99	250MEG only	£259.99
80 MEG only	£179.99	340MEG only	£299.99
120MEG only	£199.99	420MEG only	£349.99
170MEG only	£219.99	540MEG only	£449.99

YOU CAN'T GO WRONG... - CALL US NOW.
ALL OUR DRIVES FIT INTERNALLY WITH NO MODS TO
CASE, OR FLOPPY DRIVE.
All drives are formatted, partitioned & FULL
workbench is installed so they are ready to use.

FREE FITTING & READY TO USE

- * FREE FITTING WHILE U WAIT please phone prior to calling
- * FORMATTED & PARTITIONED
- * FULL WORKBENCH INSTALLED.
- * 12 MONTHS WARRANTY.
- * JUST PLUG IN & GO.
- * ONLY REPUTABLE MAKES OF DRIVE USED

AND REMEMBER
If we fit the drive, we cover your computer for
the remainder of its 12month warranty and you
qualify for **FREE HD TOOLS & BACKUP SOFTWARE**

COLLECTION SERVICE with FREE fitting

LET OUR EXPERIENCED TECHNICIANS FIT THE DRIVE FOR YOU..
This will preserve your Amiga's warranty (covered by us
thereafter) and qualify you for FREE HD TOOLS & BACKUP SOFTWARE.
JUST PHONE TO ARRANGE COLLECTION - usually made within 2 days;
YOUR AMIGA WILL BE BACK WITH YOU WITHIN 3-4 DAYS WITH THE DRIVE
FITTED, FULLY TESTED & GUARANTEED.
THIS RECOMMENDED SERVICE COSTS JUST £19.99 EXTRA.

DIY FITTING
ANY DRIVE MAY BE PURCHASED FOR DIY
FITTING AT THE ABOVE PRICES WHICH
INCLUDE ALL CABLES & INSTRUCTIONS.
Some technical ability is required.
The drives supplied are exactly as fitted
by us and are ready to use.
If you already have a drive, the
cables are available separately:-
2.5"/2.5" IDE CABLE £9.99
3.5"/2.5" ADAPTOR & CABLE £21.99
3.5"/2.5" ADAPTOR & LONG CABLE £24.99
(For connecting 3.5" drive externally)
DRIVE SIZES ARE APPROX & VARY WITH MAKE

A1200 ACCELERATORS

NEW GVP A1230-2 40MHz
With 68882 socket for FPU. Has two 32bit
wired slots & expansion connector.
With no fpu & Omg £299.99
With 4MHz & 40MHz 68882 £539.99

NEW GVP A1230-2 50MHz
50MHz WITH no fpu & Omg £364.99
50MHz WITH 4MHz no FPU £539.99
SCSI MODULE £74.99

VIDEO DEPT

GVP GENLOCK £289.99
MINIGENLOCK PRO £144.99
PRO VIDEO PROCESSOR
ONLY £149.99
A stand alone SVO input audio & VIDEO
MIXER (with SVHS in/out). Has crossfade,
fade to black, overlay; wipes, tint & 2
mic + stereo line inputs. AMAZING VALUE

VIDI 12	£78.99
VIDI 12RT	£179.99
VIDI 24RT	£249.99
GVP EGS SPECTRUM	FROM £139.99
EPSON GT6500 COLOUR SCANNER	£689.99
EPSON GT8000 COLOUR SCANNER	£1189.99
ADSG SOFTWARE with scanner	£59.99
SEE 'MEAT'S' NEW SECTION FOR SUPERS NEW HAND SCANNER RANGE	

TOP SOFTWARE

EDUCATIONAL TITLES SUFFIXED E	
RESTOCKS, & NEW TITLES/VERSIONS IN RED	
ASDC SCANNER SOFTWARE	£109.99
ASDC PRO CONTROL	£59.99
ADD JUNIOR RANGE	£14.99 E
ADD RANGE	£17.99 E
ALADDIN 40 V3	£199.99
AMOS	£11.99
AMOS - EAST	£23.99
AMOS 3D	£19.99
AMOS BARBERS ANIMATION	£44.99
AMOS PROFESSIONAL - DOWN TO	£37.99
AMOS PRO COMPILER	£23.99
ART DEPT PRO AGA 2.5	£149.99
BARS AND PIPES PRO V2	£229.99
CROSS DOS V5	£34.99
DAY BY DAY	£24.99
DELUXE PAINT AMIGA	£64.99
DELUXE MUSIC 2	£64.99
DEVPAC 3	£57.99
DIRECTORY OPUS V4	£54.99
DISTANT SONS V5	£49.99 E
ECLIPSE 1 OR 2	£49.99
EDUTIME	£49.99
FINAL COPY 2 F2 NEW VERSION	£67.99
FINAL WRITER	£99.99
FUN SCHOOL 3 RANGE	£14.99 E
FUN SCHOOL 4 RANGE	£17.99 E
GIGAMEM	£54.99
GR ROUTE PLUS	£35.99
GOLD DISK OFFICE 3	£14.99
HANNA BARBERA'S ANIMATION	£34.99
HYPERCACHE	£37.99
HISPEED PASCAL	£72.99
HISOPT BASIC	£49.99
IMAGEMASTER RT	£199.99
KID'S PIX	£19.99
LATTICE/SAS C V 4.1	£19.99
MAKETHAT FOR VISTA	£59.99
MAKETHAT PLUS	£19.99
MAXIPLAN V4	£25.99
MERLINS MATHE	£17.99 E
MEDIA POINT	£29.99
MICRO RANGE	£17.99 E
MINI OFFICE	£19.99
MONI MATTERS	£49.99
MUSIC X 1.1	£24.99
NOODY'S PLAYTIME	£17.99 E
NOODY'S BIG ADVENTURE	£17.99 E
PAGESSETTER 3	£41.99
PAINT & CREATE	£17.99 E
PAGESTREAM 2.22	£35.99
PENPAL	£15.99
PROFESSIONAL DRAW 3	£289.99
PROFESSIONAL PAGE 4	£99.99
QUARTERBACK 6	£59.99
QUARTERBACK TOOLS DELUXE	£99.99
REAL 3D PROFESSIONAL V2	£179.99 E
SPELLING PAIR	£119.99
SUPERBASE PERSONAL 4	£119.99
SUPERBASE PROFESSIONAL 4	£239.99
SUPERJAM 1.1	£89.99
SYSTEM 3E	£59.99
TECHNOSOUND TURBO 2	£39.99
TERRAFORM	£24.99
THE PUBLISHER	£134.99
TROBOPRINT PRO V2	£134.99
UPPER HARD DISK TOOLS	£19.99
VIDEO DIRECTOR	£109.99
VISTA PRO 3	£57.99
WORDMOUTH 3	£129.99

WE SUPPLY & FIT MORE
HARD DRIVES THAN ANY
OTHER AMIGA DEALER
IN THE UK

AMIGA 1200 HARD DRIVES

HARD DRIVE AMIGAS

A1200+40MEG	ONLY	£399.99
A1200+64MEG	ONLY	£439.99
A1200+80MEG	ONLY	£454.99
A1200+170MEG	ONLY	£499.99
A1200+212MEG	ONLY	£514.99
A1200+250MEG	ONLY	£539.99
A1200+340MEG	ONLY	£579.99
A1200+420MEG	ONLY	£619.99
A1200+540MEG	ONLY	£699.99

OPTIONAL 2ND YEAR WARRANTY £27.99
ALL PRICES INCLUDE 12 MONTHS WARRANTY
covering computer & drive. FREE PROMPT COLLECTION/
DELIVERY in the event of a breakdown.

PRICES SHOWN ABOVE INCLUDE THE RACE n
CHASE PACK ADD £50 FOR
NEW **COMPUTER COMBAT &
INNOVATIONS PACK**

Includes:-
WORDMOUTH 2
PRINT MANAGER
DAY BY DAY
PERSONAL PAINT 4
TOTAL CARNAGE
BRIAN THE LION
& TOOL 2

WE RECKON WE
OFFER THE BEST
SERVICE &
PRICES ON
AMIGA HARD
DRIVES &
AMIGAS
1200 HDs.
BACKED BY OUR
EXPERT
TECHNICIANS.
1000's OF
SATISFIED
CUSTOMERS

CHAOS PLUS PACK
AVAILABLE WITH ANY 1200 OR 4000
CHAOS ENGINE
SYNDICATE
PINBALL FANTASIES
WICK FALDOS CHAMPIONSHIP ONLY
QUALITY JOYSTICK
MOUSE MAT
DUST COVER
+ FREE EXTRA GAME (our choice)
ONLY £19.99 WITH ANY HARD DRIVE
AMIGA.
Standard Chaos games also available
separately for £24.99 + £2 P&P.
LIMITED STOCKS A1200 / 4000 ONLY

32BIT RAM CARDS

0MEG	£69.99	BATTERY BACKED ON-BOARD CLOCK & FPU SOCKET
1MEG	£94.00	
2MEG	£129.99	
4MEG	£194.99	
8MEG	£389.99	

Made by Amitek
WITH OPTIONAL 68882 FPU.
20MHZ FPU ADD £49.00
25MHZ FPU ADD £59.00
33MHZ FPU ADD £69.00
40MHZ FPU ADD £99.00

3.5" AMITEK DRIVE

ONLY £54.99
ANTI VIRUS, ANTI CLICK, DISABLE
SWITCH, THRU PORT, STEEL CASE,
FOR ALL AMIGAS. 2YR WARRANTY.

BACKUP UTILITIES

X COPY PRO £25.99
Inc MK2 Cyclone adaptor.
MK1 CYCLONE ADAPTOR £9.99
QUARTERBACK V6 £59.99
MS. Making backups without the permission
of the copyright holder is illegal.

MISCELLANEOUS ITEMS

SEAL N TYPE
KEYBOARD SKINS £12.99
KEEPS OUT DUST & LIQUIDS.
Fit snugly over your keyboard -
moulded to fit over each key, but
flexible enough to type through
unhindered. Available for all AMIGAS
- please state which.
TV MODULATOR (exchange) £19.99
£520 TV MODULATOR - NEW £29.99
PARSET CABLE 2M LONG £19.99
KICKSTART 1.3 ROM £29.99
KICKSTART 2.04 ROM £29.99
B520A I/O CHIP £15.99
A500 INTERNAL DRIVE £59.99
GVP GENUINE PSU £69.95

FREE with All
HARD DRIVES supplied &
fitted by us & HARD
DRIVE AMIGAS
**HD BACKUP &
RECOVERY SOFTWARE**
WORTH £23.49
Covers HD backup & HD recovery
tools & HD prep disk.
Available separately (exc HD
prep disk) for £23.49

DIY HARD DRIVE KIT

AMIGA 600/1200
XDS 3.5" HARD DRIVE
EXTERNAL HOUSING KIT
* COLOUR MATCHED ALLOY CASE
* TAKES 3.5" IDE DRIVES
* IDE ADAPTOR & 2.5" CABLE
inc power connector.
* HD INSTALL / PREP DISK
* EXTERNAL PSU SOCKET
NOW ONLY £59.99
2.5" TO 2.5" IDE CABLE £9.99
3.5" TO 2.5" ADAPTOR & CABLE £21.99

MEAT'S NEW
CD32 NOW ONLY £239.99
INC MICROCOM, CHAOS ENGINE + 4
MORE COX. EXTRA CONTROL PADS £14.99
256,000 COLOUR HAND SCANNER
(upto 800dpi on A1200/4000) £279.99
YOU WON'T BELIEVE THE RESULTS
B/W HAND SCANNER £99.99
SOME CANON & CITIZEN
PRINTERS DOWN IN PRICE



CALLERS WELCOME



**Matt Broughton
stumbles and
sometimes falls,
but by god does he
know how to
wallop those balls.
What a tremen-
dous effort!**

WORLD CUP USA '94

Football eh? A game of champions. What a platform for modern heroes. What a good way to get your head kicked in. Yes, we all love a good kick around down here at CU AMIGA HQ, and it's a good job too. Why? Read on.

Anyone who even half reads any of the popular Amiga games magazines should already be more than slightly aware that we're about to be set upon by a large huddle of footy games. (Incidentally, if anybody thinks they know the correct collective noun for footy games, please feel free to write in to us on a postcard – just don't be surprised if we burn it immediately). What you might not be aware of though, is that US Gold is the only company to have the official World Cup licence, and as a result will be producing what promises to be a real stonker.

The preview material for *World*



Cup USA '94 is a hefty old bundle and features Striker, the World Cup's mascot, very heavily indeed. As if to gloat in the faces of their competitors, US Gold have slapped the footballing dog just about everywhere, and have animated him, and I quote, in 'a light-hearted and humorous way to show-off his ball control and lead the player through the generous options' (i.e. prancing around with the ball at every possible moment). From this point on it's options ahoy, and it's as good as guaranteed you'll be playing the game

exactly as you want it.

If 'Mr Perfection' is your middle name (like Tony Dillon, or is that 'Mr Plonker'?) then you're likely to be well satisfied by this package, as set piece practice is probably the most impressive option here. The player is able to rehearse just about any aspect of the game, including kick-offs, corner kicks, throw-ins, free kicks and penalties – you can even decide whether you want to play as the shooter or the goalie during penalty practices.

With each of the game's training options you will be able to play either against a second player, the computer, or just an empty pitch (and if you've seen some of my tactics you'd be forgiven for wondering if I could score even then!)

All of the qualifying teams are included in the game, but patriotic folk (i.e. those genuinely upset by the fact that the British team was too sad to compete) will be glad to know that a special 'sad donkeys step this way' option has been included to allow you to play as any national team you fancy. This is done by editing the teams that are actually supplied, and yes, this even includes the sad bunch of rejects that is the England squad (let's not forget it was under Graham Taylor's rule at the time!)

More standard options are at your finger tips too, allowing you to affect the players' speed, the balls 'glue factor' (Well, Graham Taylor could be described as a bit of a Pritt Stick), as well as the pitch type and weather. You'll also be able to switch the off-side and back pass rules on and off.

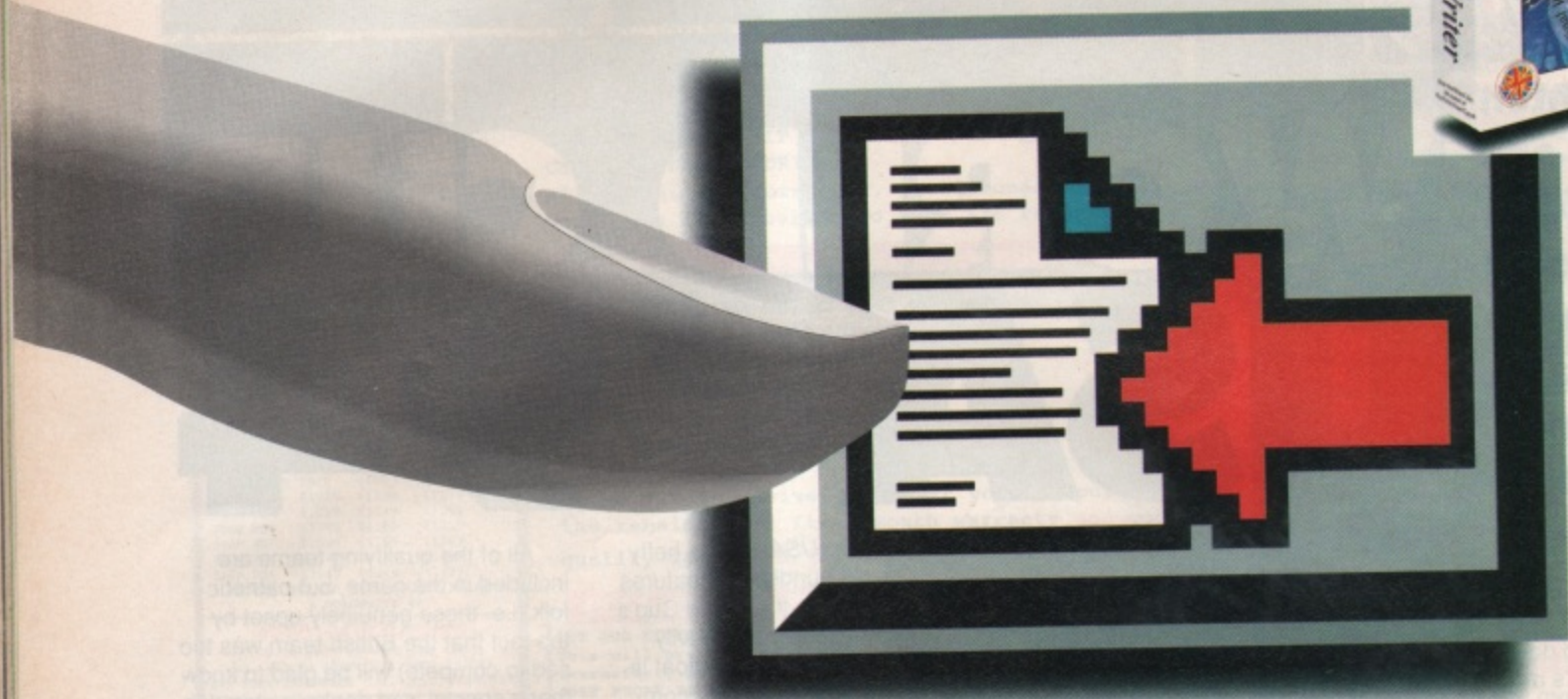
As far as individual teams go, you can not only change their appearance using the strip editor, but can also use the formation editor to either modify existing formations, or to set up your own from scratch, allocating set zones to each player.

World Cup '94 hopes to inject atmosphere throughout, using a number of graphical drop-ins showing refs faces, cards issued, etc. as the game progresses, and after each game you'll also be able to enter a debriefing screen which will show both teams' overall performances and various items of statistical data.

Though we stand to see many, many footy games before the year's out, *World Cup '94* promises to be a game to be reckoned with. But then again, don't they all! Tune in for a full review next month (hopefully). **CU**



Put *Your* Finger on the Buttons of the 'Very Best Amiga Word Processor' available...



NEW Final WriterTM Release 2

We may claim... 'Final Writer is the Very Best Amiga Word Processor available', but don't just take *our* word for it. Magazine reviews of word processors in the UK and worldwide have bestowed higher marks and more awards on Final Writer than any other! We don't need to say we're 'Number One' - Others do it for us!

And, remember... right from the day of launch, our software works First Time Every Time!



Final Writer Release 2 has a range of NEW features & enhancements including...

Undo/Redo - 'failsafe' and aid to experimentation

Paragraph Strips - user definable font/style info for individual documents

'Easy Select' - Plain, Bold, Italic and Underline buttons

Floating Palettes - user definable for tools, user buttons, paragraph styles on individual documents

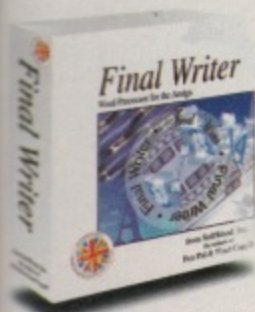
Redesigned Layout Menu

User Button Strips - can be saved for each document

Ruler/Paragraph Strips - can now be 'switched' on/off

Faster Drawing Tools - for even better performance

Now you can use Software this Powerful on your Amiga



Final Writer - for the author who needs even more! If you already use an Amiga Word Processor, it won't include the complete and comprehensive array of features found in this latest addition to the SoftWood family.

Can your Word Processor...

Output crisp PostScript™ font outlines on any graphic printer (not just expensive lasers), and was it supplied with over 110

typefaces? Import, scale, crop, view on screen and output structured EPS clip-art images (Final Writer is supplied with a hundred), again, on any printer? Also create structured graphics and rotate them along with text to any angle, giving you DTP quality presentation? Provide a huge range of printing options (eg. scaling, thumbnails, crop marks etc.



on PostScript™ printers) and fulfil other advanced Word Processing functions easily such as automatic indexing, table of contents, table of illustrations and bibliography generation? With Final Writer, this is now available to you along with a list of features that just goes on and on. We know that you'll be impressed by this revolution in

Amiga Word Processing, but don't be put off by it's advanced capabilities. With its complement of user definable Command Buttons and Superb Manual, Final Writer is simply one of the easiest programs to learn and use.

Final Writer is not just a one-off product...

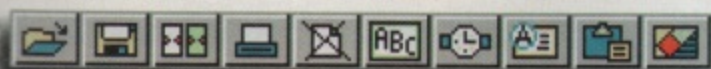
SoftWood are acknowledged as the World's leading software company publishing for the Amiga and no other system. So, if Final Writer exceeds your current requirements - whatever your Document Processing needs, whatever your Amiga - SoftWood will still have the Perfect Package for you...

Pen Pal or Final Copy II and Proper Grammar II...a Complete Range.



Once you become a registered SoftWood user, you'll gain access to unlimited free UK technical support (others often charge you or don't provide support at all) and preferential upgrades to future versions of these and other exciting new products being developed right now.

SoftWood



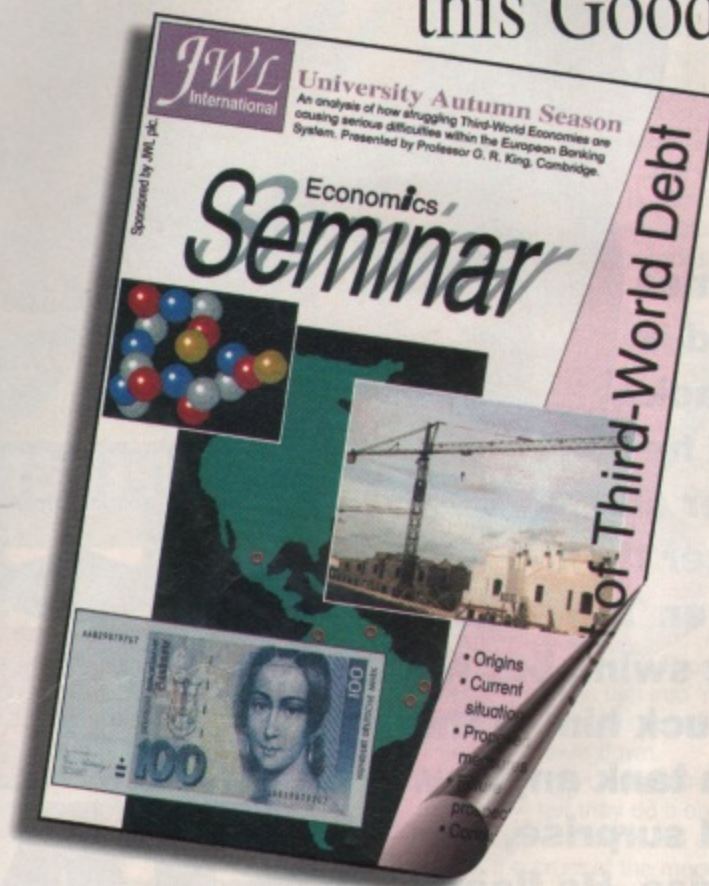
Quality software for your Amiga

SoftWood Products Europe

New Street Alferton Derbyshire DE55 7BP England
Telephone: 0773 836781 Facsimile: 0773 831040

Available from all good dealers or, contact us for a list of nationwide stockists.
All information correct at time of going to press, E&EOE. All Trademarks acknowledged.
The document shown was output on a low cost Canon Bubble Jet.

...to produce Documents this Good...



...without having to buy an expensive PC or Macintosh™, high priced Colour PostScript™ Laser and complex, costly DTP Package

Now you don't have to search through PC and Apple™ Macintosh™ software catalogues to find a quality Word Processor/Publisher that performs as well as this.

And... even if you did, you probably wouldn't find a program that combines the very best in Word Processing *and*... easy to use integrated Desktop Publishing type facilities.

You certainly won't find Word Processing Software for your Amiga that's as capable as this!

If you've outgrown your existing package ask about our 'trade up' options from your current Word Processor (other publishers' WP's are eligible too) and preferential upgrade prices for registered SoftWood product users.

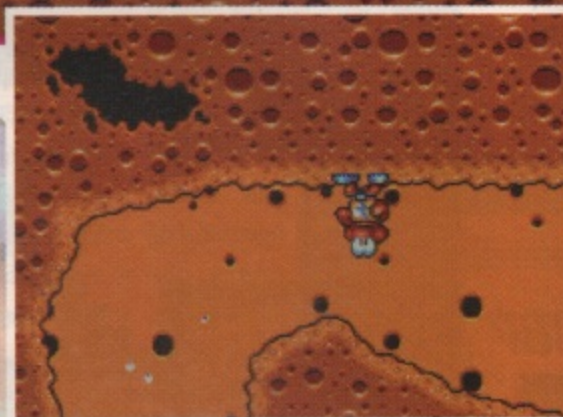
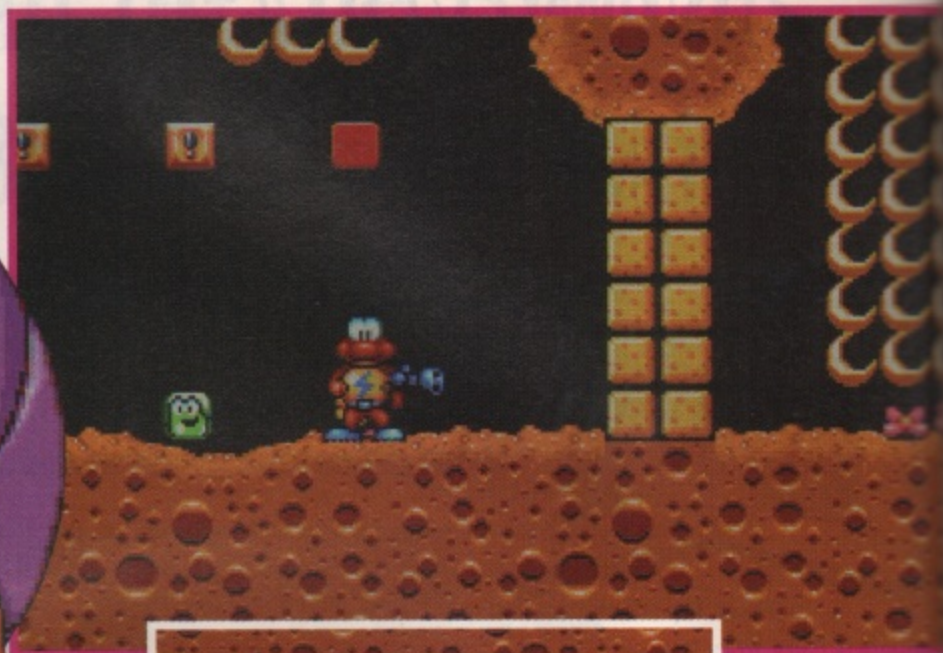
Please rush my personal copy of the new Final Writer & Final Copy II information pack including samples from popular printers, and a list of stockists to... (clip the coupon or call 0773 836781 now!)

Name & Address:

please include your postcode
cua

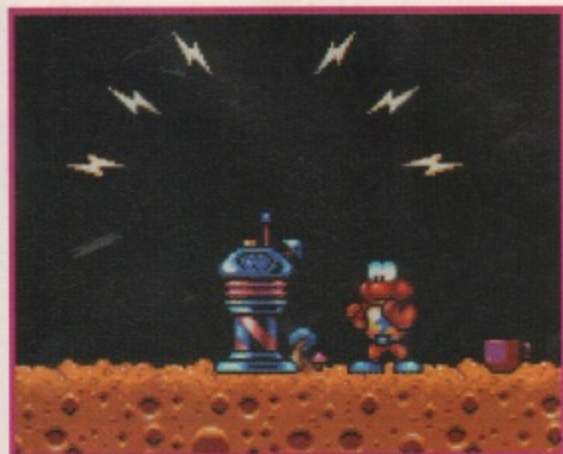


James Pond is back, and he's bigger and better than ever. Tony Dillon can't swim, but we stuck him in the fish tank anyway. And surprise, surprise. He floats!



James' super Gravity boots allow him to stick to any surface—even if that means hanging upside down! This makes for some very strangely designed levels!

OPERATION STARFISH



Ask anyone to name one of the most influential Amiga platform games ever, and they'll invariably mention *James Pond* in one of his previous incarnations. Taking what made certain console games the huge sellers they are and making them better is what made *Robocod* the smash hit it was, and I'm pleased to be able to announce that in the sequel to the sequel, Millennium have gone even further. If you only ever buy two platform games for your A1200, this is one of them. (*Bubble 'N' Squeak* is the other, but you don't need me to tell you that).

If you're expecting another *Robocod*, however, then prepare to be shocked. *Operation*

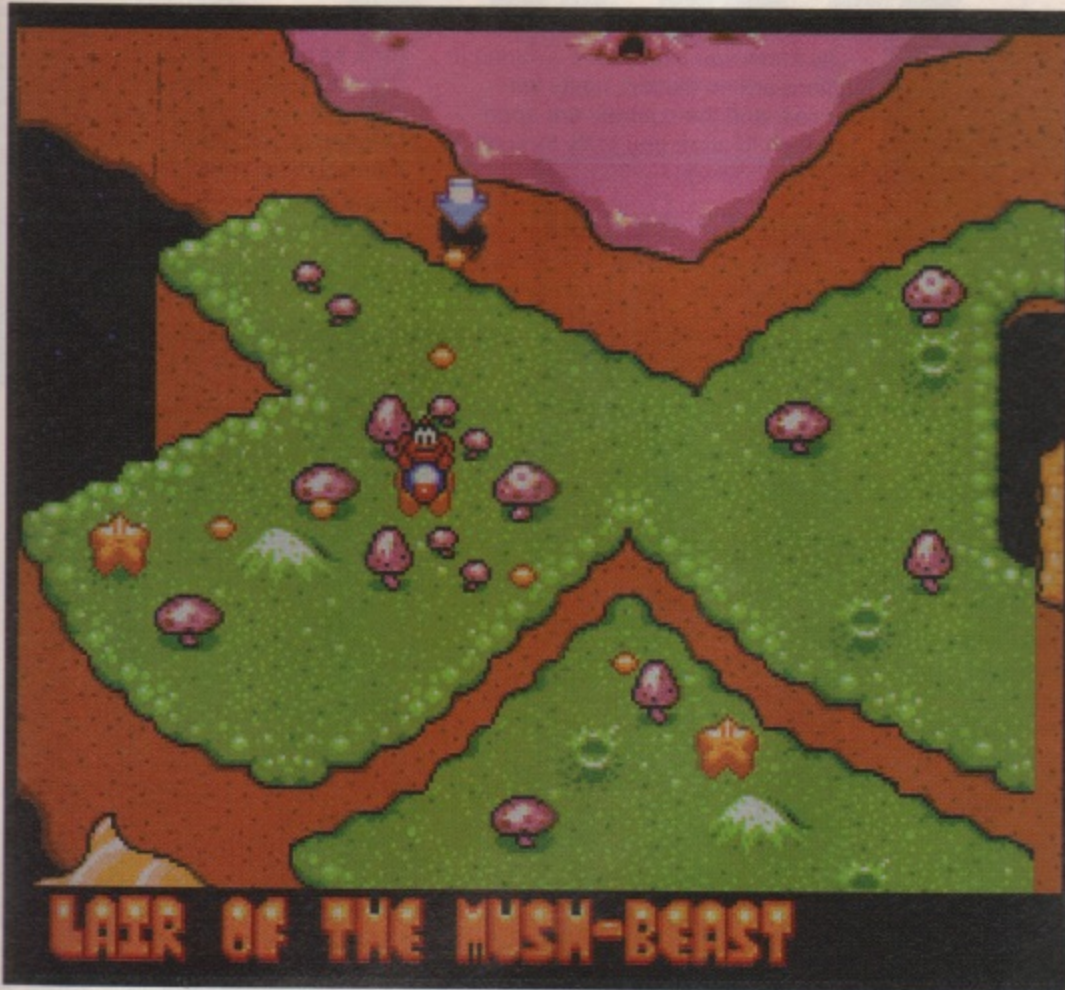
(Left, top) For the most part, James will spend most of his time collecting moons.
(Left) At the end of each level is a transmitter, which has to be destroyed.



Just because you can't see anything, it doesn't mean that there's nothing there. There are hidden blocks and switches all over the level, and sometimes just jumping through the right airspace can reveal a plethora of moons or a new way across the level.

Starfish couldn't be further from that original smash. *Robocod* was far more in tune with Mario than this game, which features more than a tip of the hat to *Sonic The Hedgehog*, if

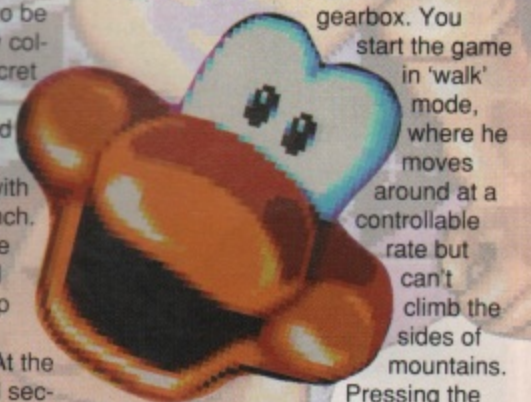
only down to the intense speeds this runs at. However, before I get you all excited over the game itself, how about a bit of the plot to get you really moving?



play around with, and each one is absolutely huge, easily 20 to 30 screens long and who knows how many high. You'll find almost no similarity between them either. It's not as if you can work out a strategy for completing levels like you could with *Robocod*. The only thing that remains the same about each level is the fact that you start at one end and somewhere near the other end is a transmitter that needs to be activated by collecting a secret number of teacups, and then destroyed with a single punch. The whole thing is held

much of a level you complete when you reach the end – for example, if you only collect the bare minimum of teacups to activate the transmitter, instead of all the teacups on the level – then more than one path can be displayed. Depending on how you play, there are literally dozens of ways to work through the game, and the only levels you need see twice are the very early ones.

As I've already said, this game takes a lot more from, say, *Sonic* than it does *Mario*. Sure, there are still lots of hidden blocks to head-bang against, and there are plenty of enemy sprites to leap upon and destroy with your feet, but the whole thing is considerably faster than the last game. In *Robocod* he rolled along at a leisurely pace most of the time, occasionally building up speed when he came down a slope. In *Operation Starfish*, James has a



gearbox. You start the game in 'walk' mode, where he moves around at a controllable rate but can't climb the sides of mountains.

Pressing the space bar takes him into 'run' mode, where no surface is too sheer, even hanging upside down.

Yes, Pond's boots recreate a field of gravity, but they do it on any surface, not necessarily the one that forms the crust of the moon.

Remember, this time Pond isn't racing around inside a conveniently-designed building. This is the moon we are talking about, and you couldn't hope for a more uneven surface to run around on. Still, unless you actually jump, Pond sticks firmly to the ground he's walking on, and as a result can often end up running upside down, up the side of a wall and even round and round a single block if you aren't careful.

All this has made for some very clever level design, and Chris Sorrell stands to be heartily congratulated for this. A finer designer of platform games has never walked this earth, in my opinion. Even though the game is so large, you are very rarely left wondering where to go next. Every screen is packed with clues as to what to do, even if said clues aren't particularly blatant. A tree might extend above the top of the screen, or you might come across a blank wall with a considerable amount of open space in front of it. It doesn't give the game away, but it does add a very nice puzzle element to what is already a superb game.

Take the first level, for example. Right at the very start there is a block just hanging in mid air. Leaping off it

HELLO PUSSY-CATFISH

Doctor Maybe, the ever present enemy of F.I.S.H., has been keeping quite a low profile lately, ever since being defeated at the end of *Robocod*. Agents were put on his tail after the battle at the Toy factory, but he soon slipped surveillance.

The next thing of any importance to happen was the disappearance of a NASA Space shuttle. Maybe held a secret meeting in the desert, from which a large flash was seen streaking heavenward.

Only one conclusion can be drawn – Maybe has taken the shuttle and set up a base on the moon! What else can F.I.S.H. do but send their top undercover agent to that large ball of cheese in the sky to track down Maybe and close down his operations for good.

In true secret intelligence style, Pond has been decked out with all the latest equipment, such as boots that allow him to move without the discomfort of reduced gravity and micro-sized breathing apparatus that let him run around freely in an airless environment.

As always there are dozens of items left lying around for him to pick up and use to his advantage,

provided you can figure out where to use them.

SHAKEN NOT SHSTIRRED

You don't need me to tell you that *Operation Starfish* is a platform game, but what a platform game it is! Easily the biggest seen on the Amiga, there are over a 110 levels to

together with an enormous map which, in true console fashion, grows as you work through it. At the beginning, there is only a small section and a single level displayed. Complete the level and the path to the next one is shown. Interestingly enough, only part of the 111 levels in the game need to be completed to reach the end. Depending on how



As you race around each of the levels, there are all sorts of goodies waiting to be discovered. Here is just a selection of the toys on offer.

UMBRELLA

Very handy for crossing large spaces, the umbrella slows Pond's descent to an almost standstill, allowing him to make far longer jumps than ever before.

GATEAUX GUN

One of the only real weapons in the game, this fires a selection of different fruit, depending on the number of power-ups you have collected for it. It starts off firing bouncing apples, but as you increase its

capabilities, you can work all the way up to homing cakes. This gun is handy for clearing a path along the ground, but needs a little practice to make good use of it when in the air.

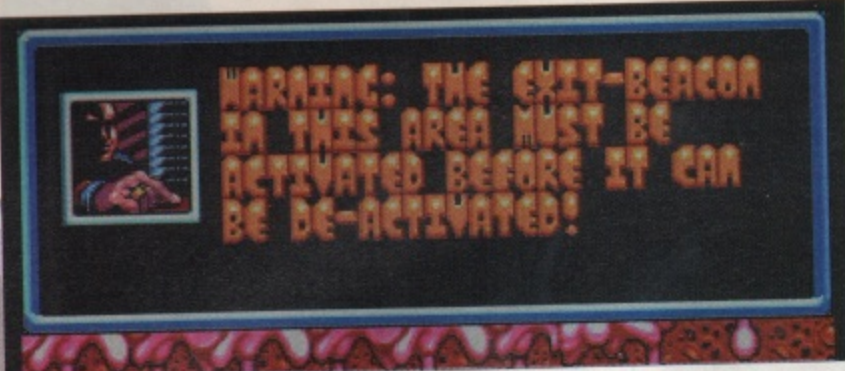
DYNAMITE

Can be thrown at enemies, or especially at large boxes of TNT. A short fuse means that it will explode shortly after being thrown, so you best get out of the way as quickly as possible.

CHEESE

Ever fancied taking a piece of moon rock home with you. The cheese can be thrown at enemy sprites as a weapon, or can be used as a stepping stone to allow Pond to reach higher platforms.

>>



accomplishes nothing, nor does hitting it. Yet running along a bit you find a bomb. Drop the bomb on the block and when it explodes, it takes the block with it, opening up a wormhole to a secret bonus room. There's a prize of five games of your choice to the first person to map out all the secret locations in this game!

means that it will take some people weeks before they see half of it. There are enemies just as tough as Pond, and if you can get through level two without losing energy within the first fifty times of playing the game, I'll be very surprised. It isn't frustratingly hard, though, and that's partly what makes the game so addictive. Whenever you lose



O SOLE O MIO!

Visually, the game is wonderful. Although it is very different to *Robocod* and *Aquatic Games* in that it is nowhere near as colourful (but what do you expect when it's set in space?). It also doesn't seem as cute as the last two games. Instead, this is a tougher, meaner Pond we're seeing. He's a fish of action, not silly little dances and cute expressions. There's bags of character in the game, too, although some of the cuteness gets used against the player.

Take the sweet little chicks, for example, who rush to meet you when you walk near them. Happily they waddle across the landscape, until they reach your feet, at which point they explode taking some of your energy with them. Gits.

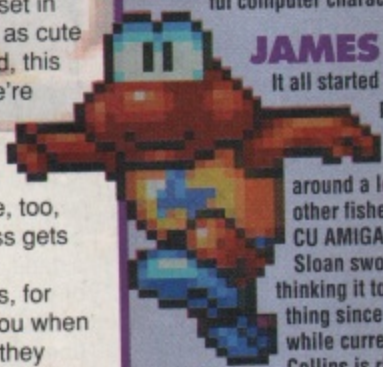
One thing this game is, though, is very, very tough. The size of it alone

JAMES POND - THIS IS YOUR LIFE

Join our Pond expert, Smokey McArel, as he takes a nostalgic look back at the history of this incredibly successful computer character:

JAMES POND

It all started as a tiny little platform game, with a fish who swam around a lot and rescued other fishes. Erstwhile CU AMIGA Dep Ed Jon Sloan swore by this one, thinking it to be the best thing since sliced bread, while current Dep Ed Lisa Collins is right behind him on that one. Of course, looking at it now it does all seem quite primitive, with little of the charm and character that have made Pond such a leading character, but at the time, well, what can I say.



ROBOCOD

The game that made the fish. Millennium really hit the nail on the head with this one, taking the *Mario* lever that was sweeping the land and creating the perfect game with it. Dressed in a metallic body suit, Pond could extend his waist vertically to enormous proportions, allowing him to reach high platforms and other interesting things in the sky. He had a whole selection of vehicles and gadgets to play with, and one of the most whistle-able soundtracks ever heard in a computer game.

AQUATIC GAMES

Bit of a no-no, this one. It looked great, and played well, but there just wasn't enough game in there to keep Joe public interested. *Aquatic Games* featured all sorts of cute antics and cuddly characters, but the sight of Pond in shorts just didn't leave much for the imagination.

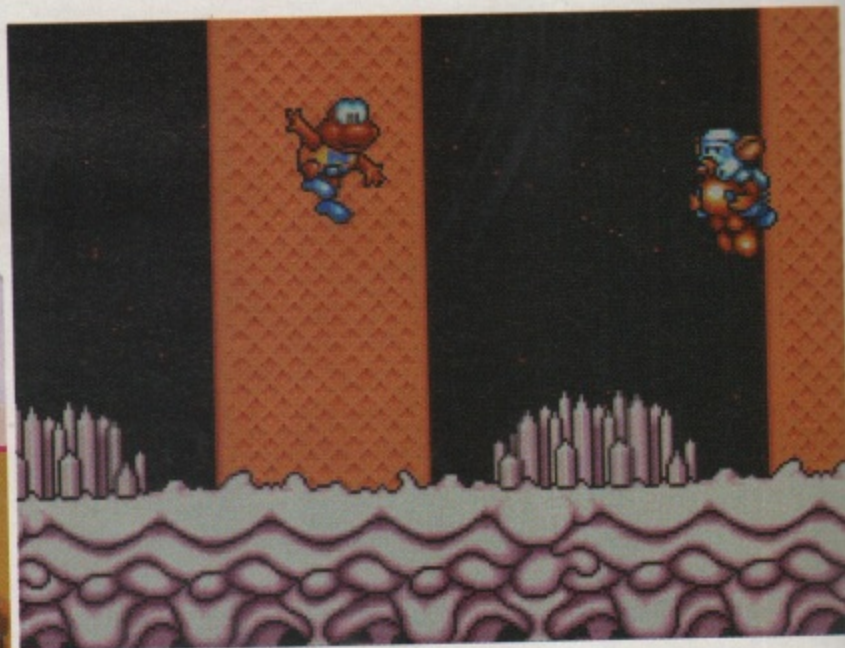
energy or a life, you know why and you know you could have avoided it. There are no hidden, nasty surprises, and the controls are good enough to allow you to fly through the early levels.

FLIPPER GREAT!

The ultimate follow up? I think so. Millennium have the Pond series

down to a fine art now, and I should think so too considering the number of platforms that *Robocod* got put out on. If you've seen the incredible Megadrive version of this game, then you'll be happy to know that this is identical.

An amazing game – it's just a crying shame that non-AGA owners will have to miss out. **CU**



AGA ONLY!?!

Yep. I'm sorry to have to tell you this, but *James Pond 3 - Operation Starfish* will not be available on anything but the A1200/A4000 series.

The reason for this? The game is just far too big to fit on the typical A500 set-up. There is no way the levels would ever fit on a 1Mb machine, and rather than take a risk on ruining the game by cutting it down, Millennium have cancelled the A500 version. If you really want to see it on your non-AGA machine, then get your 2 Meg upgrades now, and start petitioning Millennium.

MILLENNIUM £25.99

AGA ONLY

MILLENNIUM, QUERN HOUSE, MILL COURT, GREAT SHELFORD, CAMBRIDGE CB2 5LD. TEL: 0223 844894

RELEASE DATE:	MAY
GENRE:	PLATFORM
TEAM:	IN HOUSE
CONTROLS:	JOYSTICK
NUMBER OF DISKS:	3
NUMBER OF PLAYERS:	1
HARD DISK INSTALLABLE:	No
MEMORY:	2Mb

GRAPHICS	♦♦♦♦♦♦♦♦85%
SOUND	♦♦♦♦♦♦♦♦89%
LASTABILITY	♦♦♦♦♦♦♦♦94%
PLAYABILITY	♦♦♦♦♦♦♦♦96%

One of the best arcade games ever released for the Amiga.

OVERALL 94%

can you



manage it?

Screenshots taken from PC version



THE ULTIMATE FOOTBALL MANAGEMENT SIMULATION FOR YOUR AMIGA

The Tactician

Select your team and play the transfer market using real player data to make your decision. Unique tactical section enables you to have total control of individual players. Change your tactics during the game using the unique preset tactical options-should you hold onto that one goal lead or go for another? Review the comprehensive and detailed statistics to plan your progress when you need to.

The Coach

Organise your coaching and training. Get your scouts "on the ground" invest in your youth team and nurse your injury list back to full fitness. Select the best backroom staff to maximise your team's performance.

The Manager

Deal with full post-match newspaper reports on your performance. Take tough decisions, deal with your chairman, sponsors and fans.

The Businessman

Negotiate your contract, look after yourself and make sure you're the boss of your own destiny.

The Winner

You're a 35 year old new boy - how long is it going to take you to get promotion, fill your trophy cabinet and build a dynasty. Your time is up after 30 seasons at the top.

We have managed to create an ultra advanced **ARTIFICIAL INTELLIGENCE** simulation of gameplay and player decisions. Relive the superb animated highlights of goals, saves and injuries. Everything you get in any other management simulation and more.

CAN YOU MANAGE IT?

Amiga available in June RRP £29.99.

Amiga CD32 to follow.



Published by:
IMAGINE
HOME
ENTERTAINMENTS
LIMITED

Distributed by:
Software
Business
for further information contact
us on 0480 496497



club football - THE MANAGER

HIGH QUALITY SOUND SAMPLES

EXTENDED RANGE OF IFF SAMPLES (Includes new RHYTHM LOOP disks)

Each disk is compiled from a studio recorded master and is sampled on the Amiga at twice the sample rate of P.D. sample disks. They are compatible with all P.D. and commercial tracker and sequencer programs, and are highly regarded by the Amiga Press. "There are a lot of sample libraries around but this one is absolutely brilliant" Amiga Computing 2/93. "This collection of disks shows how it should be done... the conventional instrument samples are the best I've heard on the CU Amiga 7/92." "Do you want some high quality and wide ranging sounds to use in your compositions? Well then this is the place to look." Rating 87% Amiga Format Special Aut/92. N.B. no of samples in brackets

001 AFRICAN	Talking Drums, Marimbas, Chants etc (53)	019 PIANOS	Octave Splits, with strings, FX (16)
002 INDIAN INST	Sitar, Bansuri, Chants etc (19)	020 STRINGS	Cello, Orch. Hits, Sections etc (21)
003 INDIAN PERC	Tabla, Bayas, Rhythm Loops etc (35)	021 SYNTH STRINGS	Analog & Digital (19)
004 ARABIC	Ud, Saz, Bendir, Rhythm Loops etc (37)	022 CHOIRS	Mixed Choirs, with Bells & Synth (16)
005 FAR EAST	Tibetan Bells, Yangqin, Koto etc (31)	023 ORGANS	Church & Electric (17)
006 EUROPEAN	Balalaika, Choirs, Bodhran etc (34)	024 BELLS	Real & Synth with Choir & Strings (20)
007 OCEANIA	Didjeridu, Chants, Silt Drum etc (23)	025 SOUND FX	Action: Explosions, Gunshots etc (30)
008 AMERICAS	Kana, Berimbau, Pan Pipes etc (30)	026 FX PERC LOOPS	Up-tempo effected rhythms (14)
009 FX PERC	Power Toros, Snarres & Bass, Scratch/Rap (88)	027 DRUM LOOPS 1	Various styles - pop, breakbeat etc (14)
010 DRUM KIT	Bass & Snarres, Hi-Hats, Cymbals & Toms (63)	028 DRUM LOOPS 2	More pop and breakbeat rhythms (13)
011 ANALOG PERC	TR-808, CR-78, Loops etc (64)	029 TECHN0 1	Techno, Industrial & Electronic Loops (17)
012 LATIN PERC	Timbales, Congas, Cabasas, Cowbells etc (107)	030 TECHN0 2	More of the above! (16)
013 GUITARS	Acoustic, Electric & Distorted etc (41)	031 ROCK RHYTHMS	Various rock rhythms with effects (19)
014 BASS GUITARS	Slap, Picked, Fretless, FX etc (44)	032 WOODWIND	Flutes, Pan Pipes, Clarinets etc (19)
015 ANALOG BASS	Oberheim, Roland, Korg etc (22)	033 BRASS 2	Saxes, Trumpets, Brass Sections etc (15)
016 DIGITAL BASS	Yamaha DX, Roland, Korg etc (28)	034 PIANOS 2	Multi-Sampled, Soft, FX (17)
017 BRASS	Sections, Saxes, Trumpets etc (24)	035 STRINGS 2	Sections, Cellos, Pizz, Hits, Violin (23)
018 SYNTH BRASS	Analog, Digital & L.A. etc (18)		

PRICES: 1-9 Disks £2.50 each, 10-19 Disks £2.00 each, 20 or more £1.75 each, The Complete Set £59.95 P&P: Add £1.00 (any size order). Cheques & P.O.s to: **WALKABOUT MUSIC, Dept CU TRENOVISSICK FARM, THE MOUNT, PAR, CORNWALL PL24 2DA. Tel: (0726) 813807**

Amiga Repairs

Complete Amiga Repairs Only £41.99

INCLUDES VAT, RETURN DELIVERY, PARTS AND LABOUR
MOST REPAIRS COMPLETED WITHIN 24 HOURS
90 DAY WARRANTY ON ALL REPAIRS
DISK DRIVE OR KEYBOARD NEED REPLACING ADD £10

Quality Amiga Hard Disk Upgrades

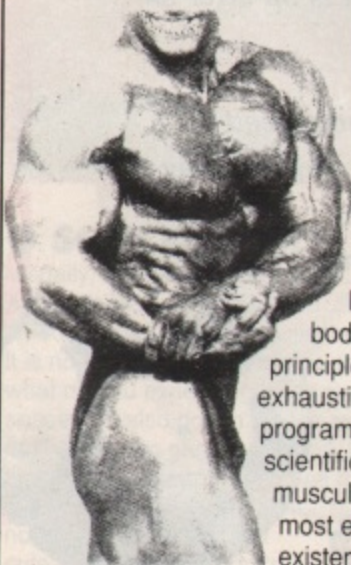
FORGET ALL THOSE FLOPPY DISKS WITH OUR CONNER HARD DISK UPGRADES
QUALITY EXTERNAL INTERFACE FOR A500/500+
RAM EXPANDABLE UP TO 8Mb - CALL FOR PRICES
170Mb FOR £284. 210Mb FOR £289. COURIER DELIVERY ADD £11.75

Micro-Business Technology Ltd
HOTLINE: 0902 324494
FAX: 0902 324748

8A Windmill Bank
Wombourne
Wolverhampton
WV5 9JD

We reserve the right to refuse any repair. All prices include VAT. Please call for latest information.

BUILD MUSCLES FAST!



NEW! Fastest way to build muscles and strength without weights - EVER! Just 35 minutes daily in the privacy of your home will develop an amazing physique.

MUSCLE DYNAMICS is a new body building system based on principles developed after years of exhaustive research. It is a total exercise programme involving the very latest scientific breakthroughs in the field of muscular development. It is the fastest, most effective way to build muscles in existence.

Noticeable results in 28 days guaranteed.

Send for FREE Information Pack.

MUSCLE DYNAMICS, P.O. BOX 70, DOUGLAS, IM99 1EH.
Tel: 0624 801023 (24 hrs)

MUSCLE DYNAMICS, P.O. BOX 70, DOUGLAS, IM99 1EH

Yes! I want to build muscles fast. Please rush me a FREE information pack!

Name.....BLOCK

Address.....CAPITALS

.....PLEASE

Postcode.....
(A stamp for reply appreciated)

(CUA)

AMIGA / AGA / CD32

Once there were sims, but now there's... JETSTRIKE



Amiga - available now.
CD32 - June 1994.
Amiga AGA - July 1994

About £20 each

Jetstrike is the flight game for your computer - with over 130 levels and a choice of 40 planes and weapons systems (more in the CD versions)... all this and a two-player option makes this a game that will keep you flying for months.

Take to the skies
and defeat the
forces of SPUDD!



Amiga Computing - 90% / GAMER GOLD,
The One Amiga - 84%, Amiga World - Grade "A".

CLOCKWISER.... time is running out...

Amiga and Amiga
AGA - available
May 1994
(£19.95).
CD32 - June 1994
(£24.95).



Clockwiser is an infuriating, addictive, un-put-down-able puzzler with over 100 levels of mind-bending fun. It comes complete with a puzzle editor - it's a package which really lets you get your own back!

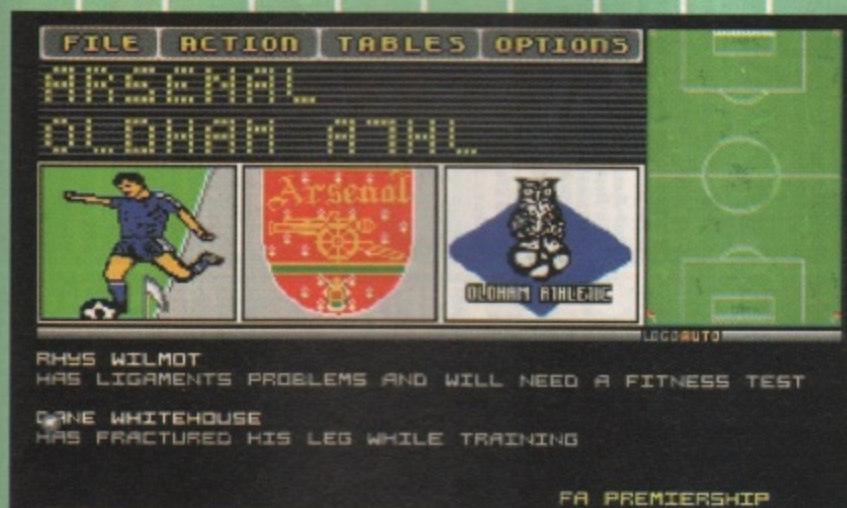
Move 'em around, beam 'em up, blow 'em up (carefully does it!), cope with self-generating diamonds and much more...

RASPUTIN

Rasputin Software, 38/40 High Street, Green Street Green,
Orpington, Kent BR6 6BJ. Phone: 0689 - 850770

The football management war starts to flare up this month. Tony Dillon reports live from the scene.

TACTICAL MANAGER



With so many titles appearing every year, it amazes me that the football management simulation market is as strong as it is. This is a real fanatic's market, the punters who buy these games will, quite happily, buy every single one that comes out. Why? What's the attraction? I do it myself and I can't tell you why.

But why do they all look so similar? Well, there are only so many jobs that a manager can do. To succeed in any game you have to put together a squad of excellent players, all of whom gel together and are co-ordinated well enough by you on the pitch so that they form a strong offensive line with a consistent defensive backline.

WALK ON...

So how does *Tactical Manager* improve on the plethora of football management simulation games already out there? Well, Cammie Maertens, *TM*'s programmer, seems to have cracked it. Anyone who religiously plays football management games will already know that

Cammie is the man behind the successful *Football Tactician* series of games, a mail order only set, hailed by many as the most realistic available. The reason they are so realistic is that the whole thing really is feasible. All the teams in *Tactical Manager* are set up as they are in real life, and



the highly-detailed player statistics are as close as you are likely to get. The end result is realistic scores between teams, and authentic-looking transfer deals. *TM* isn't about having a lot of money and buying the best players, unlike most you could care to mention. It's more about using the team and the limited finances you have to come top of the league.

TM features a multi-player system which allows up to 42 human players to play at once (any player can step in at any time to perform the actions they want) so no more tedious messing about with turns with computer players filling all the gaps. It's your job to win every single league and cup you can, while raising your own profile. Each manager has a rating, and that rating decides the level of team you can manage. You won't be able to load it the first time and manage Manchester United, for example, but after a couple of seasons, if you've played well enough, your rating should be high enough for you to apply for the job.

WALK ON...

This game has more menus and options than I could easily mention here, but you'll already know that if you've played this month's coverdisk. You'll also know that the matches are presented in such a way that you actually want to watch them. Three levels

of commentary let you in on the action. The simplest, and fastest commentary shows you the goals only. The second commentary gives you all the match highlights and the third gives you ball-by-ball action.

The highlights work best, as far as I can see, especially if you enter the 80-minute point a goal down. As you are only told the interesting parts, with a small rectangle moving up and down a drawing of a pitch to show position, things can actually get quite gripping. Try it for yourself, it's true!

Tactical Manager might not be everyone's cup of tea. It doesn't have the smooth and flashy presentation of many games, and it's simplistic layout may put some people off. However, underneath all of this it has a superb management engine grinding away. Overall, *TM* is a very absorbing tactical game — one for the kit bag. **CU**

BLACK LEGEND £25.99

A500 ☒ A500+ ☒ A600 ☒ A1200 ☒
A1500 ☒ A2000 ☒ A3000 ☒ A4000 ☒

BLACK LEGEND, FULLING MILL BARN, FULLING MILL LANE, WELLWYN, HERTS AL6 9NP. TEL: 0438 840004

RELEASE DATE: OUT NOW
GENRE: MANAGEMENT
TEAM: CAMMIE MAERTENS
CONTROLS: MOUSE
NUMBER OF DISKS: 2
NUMBER OF PLAYERS: 42
HARD DISK INSTALLABLE: YES
MEMORY: 1Mb

GRAPHICS ♦♦♦♦♦♦♦♦71%
SOUND ♦♦♦♦♦♦♦♦69%
LASTABILITY ♦♦♦♦♦♦♦♦96%
PLAYABILITY ♦♦♦♦♦♦♦♦93%

“Extremely involving. A great game.”

OVERALL 87%

COMPUTER WORLD

Free FAST! UK DELIVERY • SAME DAY DESPATCH* • All prices INC. VAT
COMPUTER WORLD-WORKING TOWARDS BRITISH STANDARD BS 5750 FOR QUALITY & SERVICE

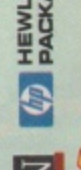
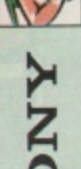
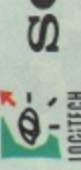
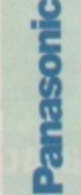


WATCH OUT FOR THIS MONTH'S BIG PRICE REDUCTIONS!
US ROBOTICS SPORTSTER MODEM ONLY £174.99
SHARP SJ-144 ONLY £359.99
CANON BJ-200 JUST £239.99
PLUS MANY MORE!!
LOOK FOR THE SPECIAL REDUCED R SYMBOLS



Commodore SPECIALISTS

Canon



COMPUTER WORLD PROVIDING YOU WITH THE BEST SERVICE & RANGE
THESE PACKS ARE OFFICIAL DESKTOP DYNAMITE PACKS with built-in hard drives (except base pack) and backed by an official full 1 year on-site warranty with ICL, one of the UK's leading computer (ICL) maintenance contractors!
PACK INCLUDES:
A1200 • Wordworth V2.2 (AGA) Amiga Format Gold • Deluxe Paint 4 (AGA) • DENNIS (AGA) • and Digitas's print manager.
Base Pack (No HD) £229.99
80Mb HD £279.99
127Mb HD £279.99
200Mb HD £279.99
340Mb HD £279.99

COMPUTER COMBAT & INNOVATIONS
Inc. Total Carnage (AGA), Brian the Lion (AGA), Zool 2 (AGA), Wordworth (AGA), Print Manager (by Digital) Day 4. Day (Filefax Organizer) Personal Paint 4. Based on the 1200 with optional built in hard drives (CCI packs are backed by 12 month on site warranty from ICL, one of the UK's leading computer maintenance contractors)
Only £125.99

A 600 THE WILD, THE WEIRD & THE WICKED
Software titles: Deluxe Paint III • Formula One Grand Prix • Putty • Packager
£194.99

AMIGA 4000

The 4000-030's & 040's are powerful, packed with features and represent excellent value for money.

ALL AMIGA 4000's now come with Deluxe Paint IV (AGA) and Wordworth V2 (AGA) and Wordworth Print Manager! Unbeatable value for money!

4000-030EC (desktop)	25MHz 68030 EC	PRICE
HD CHIP RAM	FAST RAM	
130Mb	1Mb	£979.99
130Mb	2Mb	£1079.99
214Mb	2Mb	£1179.99
540Mb	2Mb	£1471.99
4000-040LC (desktop)	25MHz 68040 LC	PRICE
HD CHIP RAM	FAST RAM	
214Mb	2Mb	£1619.99
525Mb	2Mb	£1864.99

4000-040TW (SCSI Tower)	25MHz 68040 TW	PRICE
HD CHIP RAM	FAST RAM	
214Mb (HD)	2Mb	£1962.99
525Mb (SCSI-II)	2Mb	£2256.99
1Gb (SCSI-II)	2Mb	£2551.99

All come with a 24-hour on-site-response maintenance guarantee from ICL, one of the UK's largest computer repair contractors.
4000 ACCESSORIES
1Mb 32bit-SIMMS...£84.99
2Mb 32bit-SIMMS...£159.99
4Mb 32bit-SIMMS...£374.99
68882 32MHz Fpu...£94.99

A1200 HARD DRIVES UPGRADES

COMPUTER WORLD OFFER A FREE fitting service in store for Hard Drives to the A1200/A600. Ask for Steve or Chris. This Service is available seven days a week. Add £20 for additional warranty (only available from date of original purchase if proof of purchase is supplied). This service has already proved popular with hundreds of COMPUTER WORLD customers.

RAM	FPU	PRICE
1Mb	20MHz	£147.99
2Mb	20MHz	£126.99
2Mb	33MHz	£194.99
4Mb	20MHz	£244.99
4Mb	40MHz	£294.99
8Mb	20MHz	£384.99
8Mb	40MHz	£479.99

GVP A1200 ACCELERATORS

CLOCK SPEED	RAM	FPU	PRICE
40MHz	4Mb	20MHz	£244.99
40MHz	4Mb	33MHz	£279.99
40MHz	4Mb	68882	£324.99
40MHz	8Mb	20MHz	£339.99
50MHz	4Mb	20MHz	£369.99
50MHz	4Mb	33MHz	£384.99
50MHz	8Mb	20MHz	£419.99

HAWK-A1200

RAM BOARD & ACCELERATOR
1. Battery backed clock 2. Two year warranty 3. Upgradable to 8Mb with 32-bit SIMMS 4. Option to add L.p.u.
POSSIBLE CONFIGURATIONS

RAM	FPU	PRICE
1Mb	20MHz	£97.99
1Mb	20MHz	£147.99
2Mb	20MHz	£126.99
2Mb	33MHz	£194.99
4Mb	20MHz	£244.99
4Mb	40MHz	£294.99
8Mb	20MHz	£384.99
8Mb	40MHz	£479.99

3.5" HD UPGRADES

FOR THE A1200	ONLY THREE STEPS TO HEAVEN!
All packs come complete with: 0.35" IDE hard disk adaptor cable kit (inc. full instructions) 0. Western Digital Caviar Hard Drives giving lightning access times, +3yr. warranty (the same drives we put in our own elite 486 systems) 0. Full officially licensed computer world prep software for the Amiga 1200	
214Mb	£249.99
270Mb	£279.99
340Mb	£324.99
420Mb	£339.99
540Mb	£419.99

SHARP TV/MONITOR

1. 14" Remote Control colour T.V. + monitor. 2. Infra-red remote control. 3. On Screen display for colour and volume adjustment. 4. On/off timer, flash back feature. 5. 40 channel programme memory. 6. Connect to computer for Amiga via RGB scart socket. Scart cable included.
CW PRICE £189.99

ORDER PROCEDURE
1. Phone telexes where your order will be logged and your details taken.
2. You will then be given a unique reservation number.
3. Your order details will be filed, BUT no money will be debited until the day of despatch.
4. We will contact you prior to despatch to confirm that your order is still required.
WHAT YOU GET...
PHILIPS 8833 MKII COA 14" Full Colour Monitor • 1 year on-site warranty • FREE connecting cable ADD £4.99 for dust cover ADD £10.00 for monitor stand

ALL FOR...	£239.99
COMMODORE 1060/500-600/1200 • 1 year warranty, Add £10.00 for monitor stand	
COMMODORE 1942	£339.99
14" Monitor local for A1200/1000 AGA, 26mm Dot Pitch, 15-Segment MPZ contrast (suitable for all Amiga) No Sound, add £23.99 for speakers	
SPYGLASS Works with ALL Amigas in most resolutions, 1 year warranty	
MICROVITEC	
Cubscan 1440	£404.99
14" 0.28mm Dot Pitch, CRT 15-40KHz with digital memory using	
Autoscan 1438	£299.99
14" 0.28mm Dot Pitch, 15-Segment MPZ contrast (suitable for all Amiga) No Sound, add £23.99 for speakers	

3.5" DISKS

Don't confuse these quality disks with others currently available. 3.5" 100% certified error free 70% clip. All disks inc. FREE quality labels.
10.....£4.99 25.....£12.99
50.....£22.99 100.....£39.99
250.....£72.99 500.....£174.99
750.....£259.99 1000.....£339.99
Now in stock! TDK branded 3.5" DS DD diskettes boxed in 10's with labels. Top quality media from the experts!
10.....£5.99 50.....£28.99
100.....£52.99 500.....£249.99
1000.....£384.99

MONITORS

STOCKS GOING FAST DON'T BE DISAPPOINTED!
PHILIPS 8833 MK II COA 14" Full Colour MONITOR
Last batch of this outstanding Philips monitor, widely regarded as the best value for money screen for the Amiga. This is positively your last chance to buy.
STOCK IS AVAILABLE 12th JUNE 1994

ORDER PROCEDURE
1. Phone telexes where your order will be logged and your details taken.
2. You will then be given a unique reservation number.
3. Your order details will be filed, BUT no money will be debited until the day of despatch.
4. We will contact you prior to despatch to confirm that your order is still required.
WHAT YOU GET...
PHILIPS 8833 MKII COA 14" Full Colour Monitor • 1 year on-site warranty • FREE connecting cable ADD £4.99 for dust cover ADD £10.00 for monitor stand

ALL FOR...	£239.99
COMMODORE 1060/500-600/1200 • 1 year warranty, Add £10.00 for monitor stand	
COMMODORE 1942	£339.99
14" Monitor local for A1200/1000 AGA, 26mm Dot Pitch, 15-Segment MPZ contrast (suitable for all Amiga) No Sound, add £23.99 for speakers	
SPYGLASS Works with ALL Amigas in most resolutions, 1 year warranty	
MICROVITEC	
Cubscan 1440	£404.99
14" 0.28mm Dot Pitch, CRT 15-40KHz with digital memory using	
Autoscan 1438	£299.99
14" 0.28mm Dot Pitch, 15-Segment MPZ contrast (suitable for all Amiga) No Sound, add £23.99 for speakers	

AMIGA CD-32

SPECTACULAR VOYAGE
NOW INCLUDES SIX GAMES 1) Microcosm 2) Dangerous Streets 3) Wing Commander 4) Diggers 5) Otter 6) The Chaos Engine
REDUCED! £244.99
FEATURES: At size footprint, 2Mb 32-bit graphics, 128K fast memory (for saving), built-in wordclock, Plays audio CD's.
Microcosm.....£39.99
Unbelievable release!.....£29.99
Liberation.....£194.99
FMV Module.....£14.99
Top Gun.....£19.99
Naked Gun 2 1/2.....£14.99
Pandora's CD - Over 900 Mb of Sound, Clip Art and Animation on one feature packed CD!.....£19.99

MULTI-MEDIA

Computer world are a major stockist of multi-media products for the Amiga and P.C. Be assured that we offer extensive technical backup on all Amiga products and that the majority are on demo in our showroom.
Vidi Amiga 12 RT.....£139.99
Real-time colour capture from any video source with AGA support...IN STOCK NOW!
Vidi Amiga 24 RT.....£214.99
24-Bit Real-time colour capture from any video source for the professional/serious user with AGA support...IN STOCK NOW!
Vidi Amiga 12 (AGA version).....£71.99
Rendale Genlock 8802 FMC IN STOCK NOW!.....£169.99

3.5" DISK DRIVES

All drives feature super slim design, enable-disable switch, thru port and come with a 1 year replacement guarantee!
Amitek External Slimline Drive.....£56.99
Slimline Anticlick and virus checker 1 year warranty (inc. Sony Mechanism)
Amitek Internal Drive.....£49.99
For Amiga 500 and 500+
Disk head cleaner £3.99

JOYSTICKS

All Joysticks are fully micro-switched unless stated.
Saltek Mega Stick.....£14.99
Zipstick.....£14.99
Scorpion.....£14.99
Scorpion Junior.....£9.99
Competition Pro 5000.....£14.99
Competition Pro (Mini).....£18.99
BUG (Green).....£14.99
Konix Analogue.....£14.99
Cruiser Black.....£11.99
Gravis Amiga Game Pad.....£19.99

ACCESSORIES

FOR THE A1200
A1200 real-time clock.....£13.99
incl. 1 yr warranty & rechargeable battery
A1200/600 HD prep disk.....£3.99
Control Centre (inc. FREE cables).....£36.99
Dust Covers.....£5.99
Multi-Sync Monitor adapter.....£19.99

Base Pack (No HD)	80Mb HD	127Mb HD	200Mb HD	340Mb HD
£289.99	£432.99	£479.99	£527.99	£672.99

Based on the A1200 with optional built-in hard drive, Race 'n' Chase packs are backed by an official 12 month on-site warranty from ICL, one of the UK's leading computer maintenance contractors!
ALL PACKS INC. NIGEL MANSELL & TROLLS!

EX-SOFTWARE 3.5" DS/DD DISKS

50	14.99
100	27.99
200	53.99
250	66.99
500	129.99

DISKS ARE OVER PRODUCTION RUNS FROM A SOFTWARE HOUSE ALL DISKS ARE COMPLETELY GUARANTEED AND COME COMPLETE WITH LABELS.

3.5" SUPERIOR LOCKABLE DISK BOXES

100 Capacity box	3.99 *
140 Capacity Box	5.99 *
200 Capacity Drawer	9.99 *

* ONLY IF PURCHASED WITH DISKS

All products are subject to availability - All prices include VAT. Please Add £3.50 P+P for disks and boxes or £5.99 if goods required overnight E&OE



SNAP
COMPUTER
SUPPLIES LTD

HOTLINE

0703
457111

RIBBONS - POST FREE

	2 Off PRICE EACH	4off
Citizen 120D/124D Swift 24	2.75	2.55
Citizen Swift 24 Colour		11.95*
Panasonic KXP 1080/1123/1124	3.25	3.05
Panasonic KXP 2123	4.95	4.75
Panasonic KXP 2123 Colour		10.95*
Star LC10/LC20	2.60	2.40
Star LC10-4 Colour	5.50	5.25
Star LC24-10/24-200	2.95	2.75
Star LC24-10 Colour		9.95*
Star LC200	3.00	2.80
Star LC200 Colour		9.95*
Star LC24-200 Colour		9.95*

HP Deskjet 500 Double Refill 9.95*
Canon BJ10E Double Refill 9.95*
Minimum order - 2 ribbons except those marked with an asterisk*

ACCESSORIES - POST FREE

Quickshot Apache Joystick	6.95
Quickshot Python IM Joystick	8.95
Quickshot Maverick IM Joystick	12.95
Quickshot Mouse	12.95
Mouse Mat	1.99
Roll 1000 3.5 Disk Labels	8.99
Amiga A500/A600/A1200 Cover	3.50
Philips monitor cover	3.99
Star/Citizen/Panasonic 80 col. Printer cover	3.99



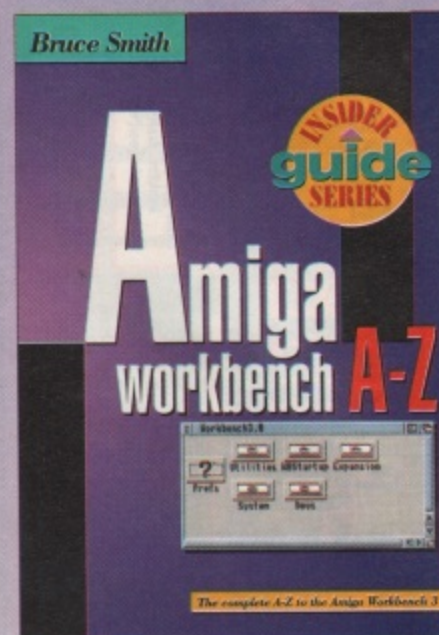
SNAP COMPUTER SUPPLIES LTD FAX: 0703 457222

Unit 12, The Sidings, Hound Rd, Netley Abbey, Southampton SO31 5QA



The Essential Selection

Get the very best from your Amiga computer with these best-selling books from BSB



Amiga Workbench A to Z by Bruce Smith, £14.95, ISBN: 1-873308-28-0.

Best selling author Bruce Smith's latest book is the perfect guide to Workbench 3. Perfect for beginner and advanced user it describes how to use every feature, menu, icon, file and command in what is probably the most versatile and widely used Amiga program today. Packed with helpful hints, tips and advice.

Amiga A1200 Next Steps by Peter Fitzpatrick, £14.95, ISBN: 1-873308-24-8, Free Disk*.

Now you've come to terms with your A1200 you're looking to improve your techniques and explore the many possibilities that the machine offers. *Amiga A1200 Next Steps* shows you how. It explains easily how to choose, install and manage a hard drive, use MultiView and AmigaDOS and how to improve storage and display. It introduces video and graphics editing, making music and programming and much, much more.

Amiga Disks and Drives by Paul Overaa, £14.95, ISBN: 1-873308-34-5, Free Disk*.

Covering everything from floppies to hard disks, with Ram, RAD and CD-Rom drives inbetween, this book explains not only how to install software properly to run on hard disks, repair damaged disks and recover lost files with essential back-ups, but also explains the principles of how they work and how to use them efficiently.

Amiga Assembler Insider Guide by Paul Overaa, £14.95, ISBN: 1-873308-27-2, Free Disk*.

Do you want to learn Assembly language but don't know your *IntuiMessage* from your *Null terminated string*? Then the *Amiga Assembler Insider Guide* is the book for you. Explaining all the concepts, processes and jargon, its step-by-step examples and easy-to follow instructions provides a perfect start in Assembler programming.

Amiga A1200 Beginners Pack £39.95 & £3 p&p, ISBN: 1-873308-30-2

Leave nothing to chance and invest in this bumper-value pack which contains the *Amiga A1200 Insider Guide*, *Amiga A1200 Next Steps Insider Guide* and a highly polished 1-hour training video. The video teaches you how to set up your Amiga and use the Workbench. The pack also contains four disks of essential shareware software and documentation.

Available in
all good
bookshops

**CREDIT CARD
(0923)
894355**

- How to order -

Please complete the form below or alternatively call our Credit Card Hotline quoting your name and address, credit card number and its expiry date.

*Disks supplied free only when ordered direct from BSB.

First class postage for books and single video free in the UK. Postage £3 per book (Europe), £6 per book elsewhere.

BSB
Bruce Smith Books

Please send to: Bruce Smith Books Ltd, FREEPOST 242, PO Box 382, St. Albans, Herts, AL2 3BR.

I enclose a cheque/PO for £.....made payable to **Bruce Smith Books Ltd.**

Alternatively charge my

Visa/Access/Mastercard Number:

Expiry Date:..... Amount: £.....

Name.....

Address.....

Postcode.....

Signed:.....

Amiga Workbench A to Z @ £14.95.....	Mastering AmigaDOS3 Vol. 2 @ £21.95.....
Amiga Disks and Drives @ £14.95.....	Mastering Amiga AMOS @ £19.95.....
Mastering AmigaDOS Scripts @ £19.95.....	Mastering Amiga System @ £29.95.....
Assembler Insider Guide @ £14.95.....	Mastering Amiga Assembler @ £24.95.....
Amiga A1200 Insider Guide @ £14.95.....	Mastering Amiga ARexx @ £21.95.....
Amiga A1200 Next Steps @ £14.95.....	Mastering Amiga Beginners @ £19.95.....
Mastering AmigaDOS3 Vol. 1 @ £21.95.....	Workbench Tutorial Video @ £14.99.....
A1200 Beginners Pack @ £39.95 (inc. VAT) plus £3 p&p.....	

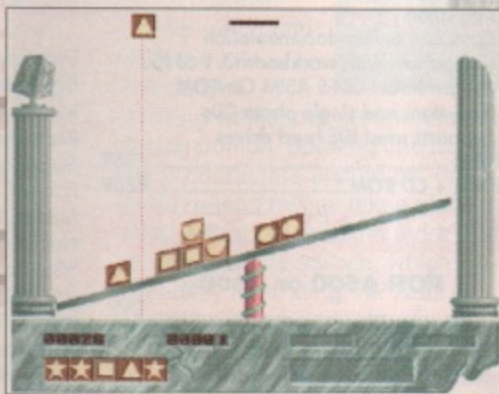


SYNERGY

Are Black Legend showing the console market that the Amiga is still good for a few more original puzzle games? Tony Dillon looks at *Synergy* – a brilliant double pack of two very different games.



Game number one – *Statix*. Take *Columns* – the *Tetris* variant that had more in common with *Connect 4* than anything else – and stick it on a see-saw. That's the only way I can think of to describe *Statix*, one of the most addictive puzzlers I have ever played. Okay, so it might not look like much on a screen-shot, and your first thought could well be the same as mine – it looks like a Gameboy title – but believe me there is a lot more to it than that.



Who's been playing particularly badly then? One more block on the left, and this clown's had it.

The game starts with a brief description of what you need to do to finish the current level (build a certain number of lines in varying directions), and then all hell breaks loose. Pieces appear at the top of the screen, and you have a couple of seconds to position the block before it drops to the bottom. There

The skull blocks can't be removed, so you need to be very careful where you place them.

are five different types of block, and getting three in a row removes them from the pile. Essentially, all you have to do is make sure that neither side of the see saw touches the ground, which can be extremely tricky when you have the whole thing heavily loaded, and then you drop a block that removes half a dozen pieces from one side. To play this game well, you need to stay half a dozen paces ahead of yourself.

With various ways to play the game, from a simple one-player set of levels to a two-player challenge, this will keep you hooked for ages. *Statix* is not a very exciting game to look at, but as far as I am concerned it is a very exciting game to play. Admittedly, there are people out there to whom this won't appeal at all. However, if you loved *Tetris*, you'll get a real kick out of this.



MEGAMOTION

This is another unusual puzzle game, as far away from *Statix* as you can get. If you can remember US Gold's *E-Motion*, then you'll have a fairly good idea as to what this game is about. You start off with a group of two or more balls at the start of a small maze and you have to get them to the other end. To do this, you fix one of the balls in their current position, while the others orbit it in a geometrically satisfying way. To move around, you need to change between balls by clicking on them when they are in the position you want. It might sound complicated, but in practice it's quite simple. One way to explain it would be to imagine a line, with three points (A, B and C). You have two balls, and ball 1 is fixed to point A. As ball 2 swings around, it passes over point B. If you change balls while ball 2 is over B, then ball A will swing around, passing over points A and C. Get it? Well, I would draw you a diagram, if I could.

The end result of this mind bending maths is a fairly addictive and extremely tough puzzler. There are all sorts of traps and spikes dotted about the levels that will destroy your balls on contact, and if you have less than two, you lose a life. It's that simple. What else can I say, except that it's great fun, and you could do a hell of a lot worse with your money than buy these two games!



This level is more than just juggling an awful lot of balls?

BLACK LEGEND £25.99

A500	A500+	A600	A1200
A1500	A2000	A3000	A4000

BLACK LEGEND, FULLING MILL BARN, MILL LANE, WELWYN, HERTFORDSHIRE AL6 9NP. TEL: 0438 840003

RELEASE DATE:	OUT NOW
GENRE:	PUZZLE
TEAM:	IN HOUSE
CONTROLS:	JOYSTICK
NUMBER OF DISKS:	2
NUMBER OF PLAYERS:	2
HARD DISK INSTALLABLE:	NO
MEMORY:	1Mb

GRAPHICS	71%
SOUND	82%
LASTABILITY	92%
PLAYABILITY	89%

A great value pack, with two super puzzles.

OVERALL 87%

GASTEINER

126 Fore Street, Upper Edmonton, London N18 2AX

Tel: 081-345 6000 Fax: 081-345 6868

RAM

A 4000 (32 BIT RAM)

1MB	£49.95
2MB	£69.95
4MB	£149.95
A1200 Ram with clock upgrade-able FAST RAM board to 1,2,4 or 8mb with optional floating point unit	
1MB no fpu	£89
2MB no fpu	£115
4MB no fpu	£179
8MB no fpu	£359
SPU for above (also for A4000)	
20MHZ	£35
33MHZ	£79
40MHZ	£114
50 MHZ	£154

A600 RAM

1MB no clock	£23.95
1MB with clock	£39.95

A500 RAM

1/2 MB no clock	£14.95
1/2 with clock	£24.95

A500+ RAM

A500+1MB	£23.95
----------	--------

Simms RAM for GVP Harddrives

1 MB 32 bit	£29.95
4MB 32 bit	£149.95

Simms RAM for GVP (A1230)

1 MB 64 pin	£49.95
4 MB 64 pin	£179.95

PCMCIA CARDS

2MB	£109
4MB	£169

HARD DRIVES

Amiga A500 + A500plus

IDE controller for A500 and A500+ with 8MB RAM option for standard 2.5" or 3.5" P.C. compatible hard drives

Controller only £89

65MB with controller	£209
85MB with controller	£249
120MB with controller	£279
200MB with controller	£299
250MB with controller	£319
340MB with controller	£339
420MB with controller	£369
540MB with controller	£399

Hard drive for A1500, A2000, A3000 and A4000 (Spec as above)

Controller only	£89
65MB with controller	£209
85MB with controller	£249
120MB with controller	£279
200MB with controller	£299
250MB with controller	£319
340MB with controller	£339
420MB with controller	£369
540MB with controller	£399

New Oktagon 4008 SCSI-2 controller with up to 8MB upgrade-able for A1500, A2000, A3000+ now A4000

Controller only	£99
170MB with controller	£299
340MB	£349
540MB	£549
1.2 G-Byte	£899
2.0 G-Byte	£1599
4.0 G-Byte	£2499

COMPUTERS

Amiga A4000/040 + Hard drive

85MB 2+4RAM	£1895
120MB 2+4RAM	£1919
200MB 2+4RAM	£1939
250MB 2+4RAM	£1979
340MB 2+4RAM	£2069
420MB 2+4RAM	£2149
540MB 2+4RAM	£2299

Amiga A4000/030+ Hard drive

85MB 1+1RAM	£899
130MB 1+1RAM	£969
200MB 1+1RAM	£999
250MB 1+1RAM	£1039
340MB 1+1RAM	£1099
426MB 1+1RAM	£1199
540MB 1+1RAM	£1299

Amiga A1200 Computers

A1200	£285
A1200 + 40MB	£385
A1200 + 65MB	£440
A1200 + 85MB	£465
A1200 + 127MB	£490
A1200 + 209MB	£540

Desktop Dynamite pack for above please add £40

Amiga CD32 Console CD32 with four Games £289

MONITORS

Commodore 1942	£339
Commodore 1940	£289
Commodore 1085	£199
Microvitec Multisync	£389
SVGA Monitor	£199

PRINTERS

Hewlett Packard

HP 310	£239
HP 510	£260
HP 500 Colour	£299
HP 550 Colour	£479
HP 1200 Colour	£1399
HP 4 Laser Printer	£3599

Citizen

Swift 90 Colour	£159
Swift 200 Colour	£200
Swift 240 Colour	£249
Projel II	£250

Seikosha

SP 1900	£124.99
SP 2400	£154
SL 90	£154
SL 95	£295

Star

LC 20	£129
LC 100 Colour	£149
LC 200	£199
LC 24-30 Colour	£229
LC 24-300	£299
SJ 48 BubbleJet	£205

Fargo

Primera Printer	£819
-----------------	------

DISK DRIVES

Amitek 3.5"	£58
Power 3.5"	£53
Cumana 3.5"	£58

PICASSO II

1MB version	£289
2MB version	£325

HARD DRIVES

2.5" Internal Hard drives for A600 and A1200

40MB	£119
65MB	£139
85MB	£149
120MB	£209
170MB	£269
209MB	£329

All with 2.5" IDE Cables

NEW NEW NEW NEW CD-ROM CONTROLLER

TANDEM CD-ROM CONTROLLER FOR A1500 A2000 A3000 AND A4000

- * Supports Mitsumi Lu005 or FX 0011D CD Rom Drive
- * Includes "PlayCD" utility for audio operation
- * Complete online documentation
- * Compatible with workbench3.1 cd file system and single photo CDs
- * Supports most IDE hard drives

TANDEM	£69
TANDEM + CD ROM	£269

CDTV ADD ON

FOR A500 or A500+

A570	£99
------	-----

MULTIFACE CARD 3

Multi I/O card for Amiga A1500 A2000 A3000 or A4000
2 additional serial ports and 1 parallel port £99

SCANNER

ALFADATA

256 Greyscale Scanners for A500 A500+ A600 A1200 A1500 A2000 A3000 new A4000

AD 105 with Touch up and merge it software	£119.95
AD105+ with Touch up and merge it and OCR Software	£169

(AD105+ require 2MB RAM and hard drive)
ALFA COLOUR
256K 18 bit colour scanner for all Amiga system AD 105C £339
MIGRAPH COLOUR BURST
262144 colour scanner with OCR £389

POWER SCANNERS

Power Scanner 4 (mono)	£119
Power Scanner 4 (colour)	£239
Power Scanner 4 + OCR	£159
Power Scanner 3	£99

EPSON

Epson GT6500 power scan	£699
Epson GT6500 ASDG	£789
Epson GT8000 power scan	£1199
Epson GT8000 ASDG	£1298

GVP

ACCELERATORS

40MHZ A1230/OMB RAM FOR A1200	£235
40MHZ A1230/4MB RAM FOR A1200	£349
50MHZ A1230 II 40MB RAM FOR A1200	£369
50MHZ A1230 II 4MB RAM FOR A1200	£569
SCSI Module	£79

MICE AND TRACKBALL

ALFADATA 290 DPI mouse	£9.99
ALFADATA 400 DPI mouse	£13.95
ALFADATA optical mouse	£29.99
ALFADATA optical Pen mouse	£34.95
ALFADATA crystal trackball	£29.95
GASTEINER 400 DPI mouse	£14.95
Low Cost Mouse	£8

ACCESSORIES

Dust Covers	£6
Disk Boxes from	£5
Monitor Stand	£10
Real Time Clock A1200	£15
Scart Cables	£10
Printer Cables	£5
Modem Cables	£8
Null Cables	£8
SCSI Cables	£8
2.5" IDE Cable	£10
2.5" to 3.5" Cable	£15
Auto mouse/Joystick Switch	£12.99
Philips 8833 II Cable	£10
Branded disc (10)	£5
3.5" internal drive for Amiga A500	£49
3.5" internal drive for A600	£79

POWER SUPPLY

A500 - A1200 PSU	£34.95
A2000	£79.95

NEW NEW NEW SPECIAL OFFER

Disk Expander for HD and floppies £35
GIGA MEM Virtual memory for all Amigas with MMU £39.99

Repair Service

New service centre for most Amiga computers. We offer a quotation service of £10 for which we will examine your computer and report back with an exact quotation price for the repair. If the repair is carried out the £10 is then deducted from your bill.

How to order

When ordering by telephone please quote your credit card number followed by the expiry date and also your full name and address. If paying by cheque please make it payable to Gasteiner Technology. In any correspondence please quote a phone number and also a postal code, please allow five working days for cheque clearance.

Delivery Charges

Small consumables and software items under the value of £59 please add £3.50 P&P. Other items except lasers, next day courier service £10 per box. Offshore and Highlands, please call for a quotation. In addition we offer the following express services: Saturday Delivery normal rate plus £15 per box, Morning, next day normal rate plus £10 per box. E & OE prices subject to change without prior notice. All trademarks acknowledged

Have Ocean Software come up with their own Amiga Sonic beater? Tony Dillon isn't so sure.

Ocean have been very quiet recently as far as the Amiga is concerned. Even though they hold in their hands two of the most awaited Amiga games to date (*Inferno* and *TFX*), for quite a while now we've had little cause to chase the cheeky Mancunans for review software. So quiet were they that I almost didn't hear this package drop through the letterbox. While *Millennium* are jumping up and down with joy at the release of *James Pond 3*, Ocean are whispering that *Mr Nuts* has arrived.

CUTESY

Mr Nuts is a cute little squirrel who has to save a planet from the clutch of evil chickens from outer space. Okay, so the plot might reek a little of *Alfred Chicken*, but we'll gloss over that for the moment.

Using all his skill and judgement, *Mr Nuts* has to work across the huge maps that make up the planet, systematically closing down all the chicken bases while helping his friends *Mr Hitpoint*, *Mr Rabbit* and *Mr Pigeon*.

He does this in two ways. Firstly, there's the scrolling platform bit, which looks absolutely gorgeous in these screenshots, you have to admit. Bright, vivid colours, large

Between levels these spaceships fly around for some strange reason.



Right: the tiny screen makes up most of the game.

cute sprites, and if you could see that silky smooth animation — oh, it would take your breath away. This is only a small part of the game, however.

The real game happens in a *Zelda*-style scrolling walkabout around the map, finding bombs, opening chests, talking to characters and so on. For some reason this all takes place in a window that takes up no more than an eighth of the screen, which is incredibly frustrating. *Mr Nuts* is, basically, a mapper's dream, as they mark down all the paths with their twists and turns along the way. Using teleporters, ladders, rafts and bombs you work through the map until you close down an island. Then

it's off to the next level.

Looking at the game, it's quite obvious that the whole thing is perfect for the younger market. The characters are all done in a cute, colourful way. There are no real taxing puzzles and the platform sections are over as soon as they start. This is no justification for the low mark, however.

SHORTY

The relatively low mark I've given it has come about due to the one major shortcoming that *Mr Nutz*, like so many before it, has suffered from: there is very little gameplay. The map section is far too simple to be of any real value to a games-player, and the fact that everything happens on a tiny screen is unforgivable. Why not make it full screen? It would have made all the difference!

It's the platform section where the whole game falls apart. *Mr Nuts* can run at approximately 130 miles per hour. However, levels are only playable if you move at 20mph. Interestingly enough you can belt from one end of the level to the other at top whack in around fifteen seconds and only lose a small

Above: one of the space chickens.

amount of energy. This game will only pose a problem to real games-players if they let it.

Just as well, really, as the colour scheme renders everything in the platform sections little more than a multi-coloured mess. I'm all for using hundreds of colours, as long as they aren't all garish green! What is the point of having a game so colourful that you can't actually tell where the backdrops end and the sprites begin? I was getting hit by things I couldn't see until they'd hit me, and avoiding things that ended up being nothing more than on-screen 'furniture'.

NO GOODY

It's just a real shame that this had to come out at the same time as *James Pond 3*, it really is. Not that I want to get too negative or anything, but there really is no competition. One is a fast, playable platformer with puzzle twists and various other interactive elements, and the other is bright, colourful but ultimately thin and characterless. **CU**

OCEAN £25.99

A500 ☒ A500+ ☒ A600 ☒ A1200 ☒
A1500 ☒ A2000 ☒ A3000 ☒ A4000 ☒

OCEAN SOFTWARE LTD, 2 CASTLE STREET, CASTLEFIELD, MANCHESTER M3 4LZ. TEL: 061 832 6633

RELEASE DATE: OUT NOW
GENRE: PLATFORM
TEAM: NEON
CONTROLS: JOYSTICK
NUMBER OF DISKS: 3
NUMBER OF PLAYERS: 1
HARD DISK INSTALLABLE: NO
MEMORY: 1Mb

GRAPHICS ♦♦♦♦♦♦♦♦74%
SOUND ♦♦♦♦♦♦♦♦78%
LASTABILITY ♦♦♦♦♦♦♦♦53%
PLAYABILITY ♦♦♦♦♦♦♦♦45%

Great presentation.
Shame about the rest.

OVERALL 59%





GET YOUR FINGER ON THE PULSE



HOT. T.



EST.

Try out all the latest, greatest games at LIVE '94, the UK's most exciting consumer electronics event.



Meet the big names. Nintendo. Commodore/Amiga. Panasonic 3DO. Philips CD-i. Sega. Enter the Games Zone. Put the hottest new games from all the top software writers to the test.



See the Nintendo Challenger and Panasonic 3DO Showliner. Quiz the gurus from your favourite magazines* in the Games Arena. Get the lowdown on some incredible tips, hints and cheats.



Experience Capital Radio Live at LIVE. Capital Gold concerts. Dolby Home Cinema Promenade. TV Times Live Television Studio. Young Newspaper Feature. BPIA Future of Photography. Yamaha/TES National Youth Rock & Pop Awards. Focus on Multimedia.



Get your hands on a ticket. Phone the LIVE hotline or return the coupon now. Remember - if you're under 16, you must have an adult with you at LIVE '94.

LIVE '94

THE CONSUMER ELECTRONICS SHOW
EARLS COURT • LONDON
20-25 SEPTEMBER 1994

LIVE HOTLINE:
0 8 9 1 5 0 0 1 0 3

Calls cost 39p per minute cheap rate and
49p per minute at all other times.

Please tell me more about LIVE '94 and
how I can get a ticket to the UK's most
electrifying event.

Name:.....

Address:.....

Postcode:.....

EI Please return this coupon to:
LIVE '94, News International Exhibitions Ltd.
Europe House, World Trade Centre,
St Katharine-by-the-Tower, London E1 9AT.

*The top journals from Mean Machines, Sega Magazine, Nintendo Magazine System, Computer and Video Games, PC Review, CU Amiga, The One Amiga and PC Games will all be there.

ARCADE POOL

Quickshot Steve Keen snatches up his Balabushca and rests his sweaty palms on the green baize table once more, as he tests out the latest pool game.

I'm a bit of a pool demon and as such, I was really looking forward to playing this latest super-value release from the Team 17 stable. Call me Mr. Opportunist, but when this month's software was up for grabs I grasped it with both hands and made a speedy retreat to my bedroom with a four pack of Tizer and family-sized packet of smokey bacon crisps. I just couldn't wait to rip the vacuum-packed cling film off it!

POT LUCK

A lot of people can't understand the fascination pool gurus have with thumping a pack of different coloured balls around a cushioned table, but to most it's as addictive as a caffeine-filled Quarter Pounder with extra cheese. This version is specially tailored for enhanced Amigas, but will run adequately on most (1Mb and upwards). The inclusion of the British red and yellow ball game, with English rules, is long overdue and, particularly in this mode, the game has a distinct pub feel. The use of a cue that pops up every time you take a shot and actually draws back to the edge of the table is a lot better than other systems, where you just click a mouse button and stand back as the balls start to shoot off all around the table.

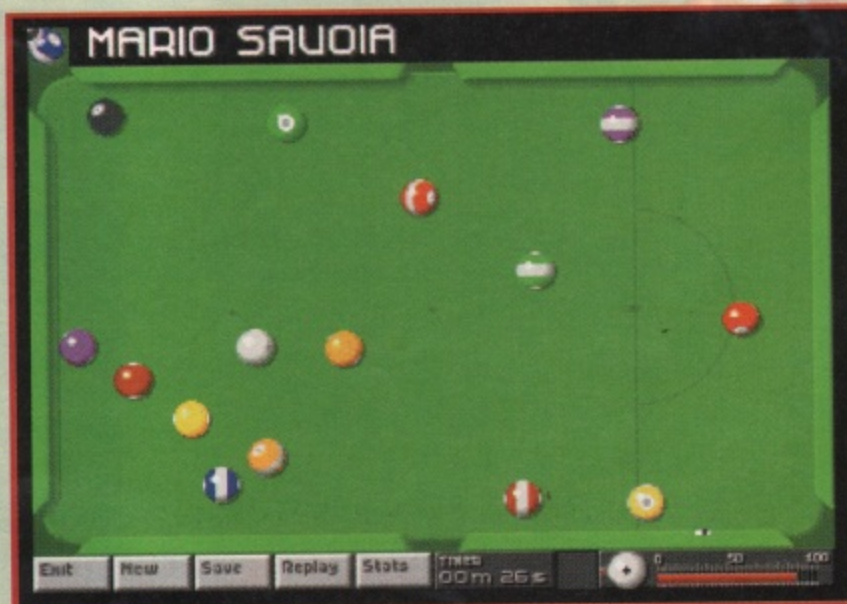
Now, you might think that playing *Arcade Pool* will be a doddle after hanging out with the big boys down at your local pool hall, but you couldn't be more wrong. The control system is simple enough, just drag the cursor over towards the ball you want to hit and place it down. In certain conditions and on certain levels a staggered white line will appear showing you

exactly where the cue ball will go after it has made contact with the pack. This is very useful for positioning shots as you can quite accurately judge where the white is going to stop by watching the animated shadow that follows the path of the white before you take the stroke. Down on the bottom right of the screen are the power bars and a white ball with a tiny cursor in the middle of it. You can click on this and drag it around inside the white to add side and screw-back, an acquired skill in both real pool and the computer variant.

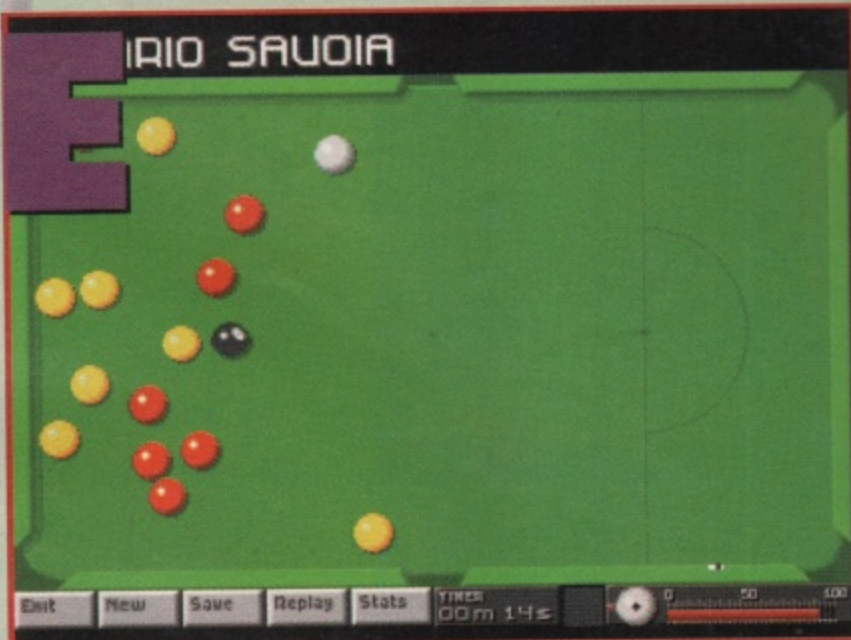
Simple to appreciate, yes, but incredibly difficult to master with any degree of accuracy. For some reason I had more success with these 'professional' skills during the American games. I don't know if the pockets were slightly bigger on the Yank tables, as they are in real life, but a greater percentage of shots that I took whilst on the blue baize table, were sank than on the green.

IN THE BLACK

Loaded with options, the game has just about everything a would-be



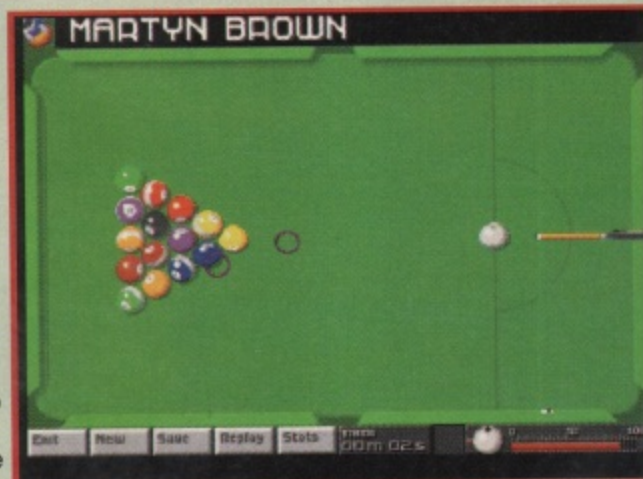
hustler could want. Different table frictions, skill levels, shot aiming aids and set ups are just a few. Most notable are the eight different versions of the game you can play, such as *8-Ball UK*, *9-Ball US*, *Straight Pool* and *Survivor or Killer*, as it's more commonly known in pubs. This is where you get together with up to eight mates and take turns to pot any



Oh dear, oh dear, what a mess!

ball. Every time you miss a pot you kill off a life and the last player left in the game wins. There's even an option to try out those fancy trick shots and a custom pool game that allows you to practise plays.

Aside from the obvious versatility of the game, not everything in the garden is rosy. The control method, a cross-haired cursor affair, requires absolute pin point accuracy if you want to avoid ricocheting the balls off the cushions in unexpected pinball fashion, and it takes a frustratingly



First class computer assisted breaks are no problem with *Arcade Pool*.

different pool variations and have the patience to learn the game again from scratch, it's quite a laugh. After watching the computer pot its fifth ball in a row off four cushions was left feeling well cheated! Therefore, to get the best out of the game play against a friend. **CU**

TEAM 17 £9.99

A500 ✓ A500+ ✓ A600 ✓ A1200 ✓
A1500 ✓ A2000 ✓ A3000 ✓ A4000 ✓

TEAM 17 PROSPECT HOUSE, BURROUGH ROAD, WAKEFIELD WF1 3AB.
TEL: 0924 291867

RELEASE DATE: OUT NOW
GENRE: SIMULATION
TEAM: OUT OF HOUSE
CONTROLS: MOUSE
NUMBER OF DISKS: 1
NUMBER OF PLAYERS: 1-8
HARD DISK INSTALLABLE: NO
MEMORY: 1Mb

GRAPHICS ♦♦♦♦♦♦♦♦83%
SOUND ♦♦♦♦♦♦♦♦79%
LASTABILITY ♦♦♦♦♦♦♦♦75%
PLAYABILITY ♦♦♦♦♦♦♦♦78%

Humungous value for money for pool fans.

OVERALL 81%

What a spread.

long time to master. I play pool with a great deal of instinctive intuition as to what angles to use and had to totally readjust my aim on every shot.

Also, the computer is a hustler in disguise — it hardly ever misses a shot. However, if you can keep up with all the different rules used in the

VISIT THE ONE PRISON THAT NEEDS NO BARS...

ROBINSON'S REQUIEM



Robinson's Requiem is a survival/adventure simulation set in a stunningly realistic virtual environment the likes of which has never been seen before.

The Scenario

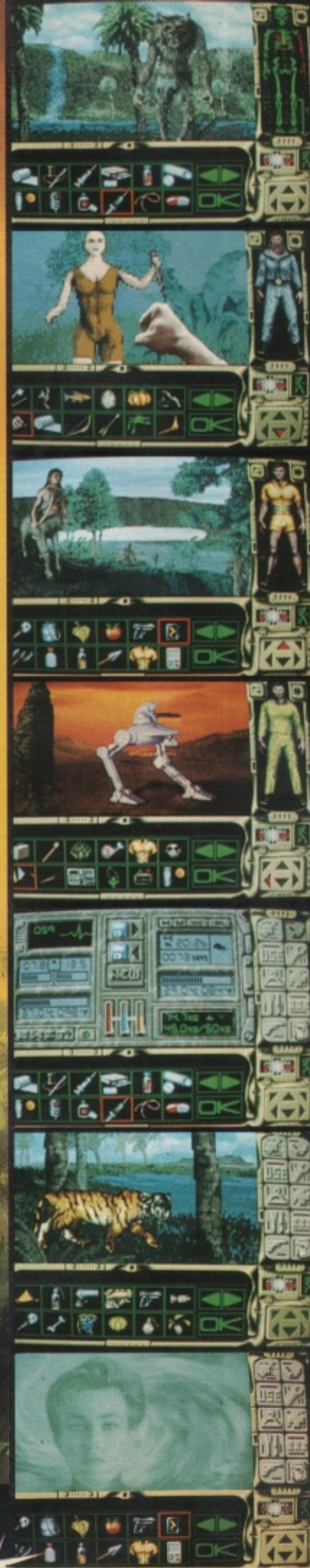
Trapped on an alien planet your aim is to escape. If you have to amputate one of your own limbs to stay alive, then that's what you must do. The game features more than 100 variables managed in real time : your body temperature, stress, hunger, pain, disease, gangrene, hallucinations...

The Prison

A spectacular world in mapped 3D, computed in real time. Over 3 square miles of play area includes : canyons, hills, waterfalls, and caves.

The Challenge

Survive and gather food, find water, make your own clothing and weapons, deal with health hazards and fight off predators, test your survival skills to the very limit, and get the hell off that planet !



Silmarils

Available for PC and compatibles:
AMIGA / AMIGA 1200
ATARI ST / STE / Falcon
Coming this September :
Jaguar, 3DO, and CD32 versions !

SILMARILS UK, 2 CANFIELD PLACE, LONDON NW6 3BT TEL : 071 328 2762 FAX : 071 328 2738

**REGULAR
FREE
GIVEAWAYS
WHEN YOU
BUY FROM
DIRECT**

AMIGA GAMES

Kingdom of Germany.....	19.99	Ryder Cup (A1200).....	16.99
Kingmaker.....	22.99	Sabre Team.....	15.99
Kings Quest 6.....	22.99	Sea Air Rescue.....	22.99
Kings Quest 6 (1200).....	22.99	Seek & Destroy.....	16.99
Kit Vicious.....	16.99	Seventh Sword Of Mendor.....	16.99
Krusty's Funhouse.....	16.99	Silent Service 2 (1Meg).....	22.99
Lamborghini.....	16.99	Sim City / Lemmings.....	19.99
Legacy Of Sorasil.....	16.99	Sim City Terrain Editor.....	8.99
Lion Heart.....	11.99	Sim Life.....	22.99
Lords of Power.....	22.99	Simon The Sorcerer.....	25.99
Lotus 3 - Final Challenge.....	16.99	Soccer Kid.....	19.99
Lotus Trilogy.....	19.99	Sorcerer.....	22.99
Maelstrom.....	22.99	Sorcerer (A1200).....	25.99
Magic Boy.....	16.99	Space Adventure.....	22.99
Magicians Castle.....	19.99	Space Hulk.....	22.99
Man Utd Premier Champions.....	19.99	Sports Top Ten.....	19.99
Mario is Missing.....	19.99	Spritz.....	6.99
Mean Arenas.....	16.99	Spritz Paint.....	5.99
Microcosm.....	19.99	Star Trek 25th Anniversary (A1200).....	22.99
Microprose Grand Prix.....	28.99	Strike Squad.....	22.99
Monopoly.....	18.99	Super Hero.....	19.99
Morph (A1200).....	19.99	Super League Manager.....	16.99
Mr Nutz.....	16.99	Tactical Manager (England).....	19.99
Mr Nutz (A1200).....	17.99	Tactical Manager (Italy).....	19.99
Mr Nutz (600).....	16.99	Tactical Manager (Scotland).....	19.99
Nick Faldo's Golf.....	18.99	Tensai.....	16.99
Nobby The Aardvark.....	16.99	Terminator 2.....	18.99
Noddy's Big Adventure.....	16.99	Terminator 2 (Coin-Op).....	19.99
One Step Beyond.....	12.99	T.F.X. (A1200).....	25.99
Oscar.....	16.99	Tornado.....	22.99
Oscar (A1200).....	16.99	Total Carnage.....	18.99
Overdrive.....	16.99	Tracksuit Manager '94.....	15.99
Overkill.....	12.99	Traps and Treasures.....	19.99
Paperboy 2.....	6.99	Turrican 3 (A600).....	16.99
PGA Tour Golf + Courses.....	18.99	Turrican 3 (A1200).....	16.99
Pinball Double Pack.....	22.99	Twilight 2000.....	22.99
Pinball Dreams.....	15.99	Twilight 2000 (A1200).....	22.99
Populous/Sim City.....	16.99	U96.....	22.99
Populous 2.....	17.99	UFO.....	28.99
Populous 2 (1Meg).....	18.99	UMS Compilation.....	28.99
Populous 2 + Data Disk.....	21.99	Ultimate Pinball.....	19.99
Powerhits.....	19.99	V240.....	19.99
Prehistorik 2.....	16.99	Walker.....	18.99
Primemover.....	19.99	War in The Gulf.....	21.99
Puggsy.....	19.99	Western Grant.....	19.99
Rally.....	16.99	When Two Worlds War.....	19.99
Rampart.....	15.99	Wing Commander.....	19.99
Realm Of Darkness.....	16.99	Wiz Kid.....	18.99
Rise of The Robots.....	27.99	Wiz N Liz.....	19.99
Rise Of The Robots (1200).....	27.99	Wolf Child.....	11.99
Road Rash.....	19.99	Zool 2 (A1200).....	15.99
Rugby League.....	16.99		
Ryder Cup.....	16.99		

Mortal

**Mortal
Kombat
£22.99**

**Beneath
The
Steel Sky**
£19.99

Blues Brothers	7.99	Mega Lo Mania	9.99
Curse of Enchantia	9.99	Nigel Mansell Grand Prix	9.99
D Generation (Bundle)	7.99	Premier Manager	7.99
Disc	4.99	Premier Manager 2	9.99
Disk box 100 cop	7.99	Quadrel	4.99
Federation of Free Traders	5.99	Thunderstrike	9.99
Jimmy Whites (Bundle)	7.99	Titus The Fox	7.99
Legends of Valour	9.99	Ultima V	9.99
Lemmings 1	9.99	Warriors of Reyline	7.99
Lemmings 2	12.99	Zool	7.99
Manix	4.99	Zool 2	9.99

FREE * FREE *

EDUCATIONAL SOFTWARE

ADI English (11-12 yrs).....	16.9
ADI French (12-13 yrs).....	16.9
ADI French (13-14 yrs).....	16.9
ADI Junior Counting (6-7 yrs).....	14.9
ADI Junior Reading (4-5 yrs).....	14.9
ADI Junior Reading (6-7 yrs).....	14.9
ADI Maths (11-12 yrs).....	16.9
ADI Maths (12-13 yrs).....	16.9
ADI Maths (13-14 yrs).....	16.9
Funschool 3 (2-5 yrs).....	14.9
Funschool 3 (5-7 yrs).....	14.9
Funschool 3 (7+ yrs).....	14.9
Funschool 4 (2-5 yrs).....	16.9
Funschool 4 (5-7 yrs).....	16.9
Funschool 4 (over 7 yrs).....	16.9
Megamaths (A level).....	17.9
Micro English (To GCSE).....	17.9
Micro French (To GCSE).....	17.9
Micro German (To GCSE).....	17.9
Micro Maths (To GCSE).....	17.9
Micro Science (To GCSE).....	17.9
Micro Spanish (To GCSE).....	17.9
Merlin Maths (7-11 yrs).....	16.9
Paint + Create (5+ yrs).....	16.9
Primary Maths (3-12 yrs).....	17.9
Spelling Fair (7-13 yrs).....	16.9

WE WILL MATCH PRICES !!! NEVER BEEN BEATEN !! TRY US!!!

Expiry Date /

Date:

Name:

Address:

Postcode: _____

Tel No:

Form No.

to : DIRECT SOFTWARE LTD

DEPT No CU/06SC

Unit 3, Cross Keys Shopping Mall
St Neots, Cambridgeshire

PE19 PP2AU

POST & PACKING
UK-Mainland Free

EEC £3.00 per item
Non EEC £4.50 per item

All Parcels Are Sent by Recorded Delivery

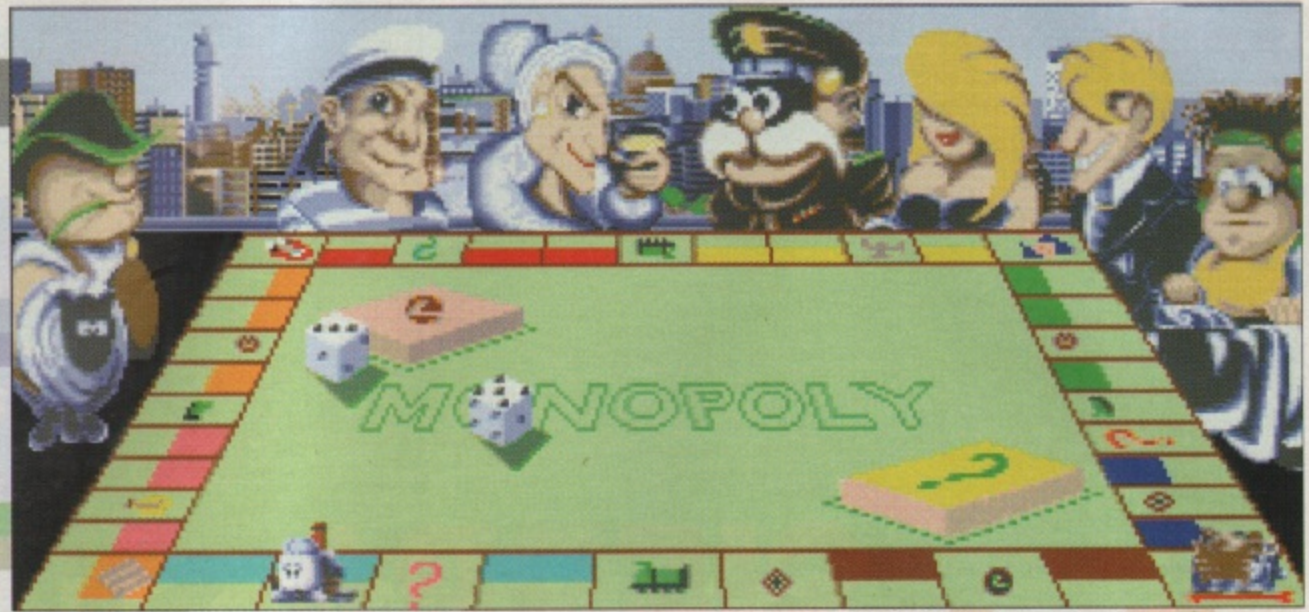
All items subject to availability. All prices subject to change without notice E & OE.

Please Note:
Some Games May Not Be Released At The

Time Of Going To Press
 CLAMCA 5/25/2004

CU AMIGA JUNE 1994

Supervision are out to prove that boardgames don't have to be bored games. Tony Dillon gets out his dosh and dabbles in real estate.



MONOPOLY

I have to say, I am one of those people who actually enjoys a good game of *Monopoly*, as long as it doesn't go on for any more than an hour and the people I'm playing with know the rules. However, this situation is very rare as many people will point out. That's why I was so pleased to see this little offering from Supervision. Aha, I thought to myself, here's my chance to waste whole evenings going round and round a small board trying to be a big shot, and I won't have to wait for anyone to take their turn, plus all the fiddly rules about things like mortgages and auctions can be figured out by the computer. Not quite heaven, but a good time to be had by all.

CAR, BOOT...

If you've never played *Monopoly*, then I have to say you've missed out on something that everyone should have the chance to enjoy/be subjected to. It's a game about buying and selling property.

Various streets around London have been divided into groups called Monopolies, and the aim is to buy as many of them as possible, develop the areas by building houses and hotels on them, and then bankrupt everyone else in the game by charging them a ridiculously high rent every time their counter lands on a square owned by you. Run out of money and you can sell property to the bank. Run out of property and money, and you're out of the game. Dead simple isn't it?

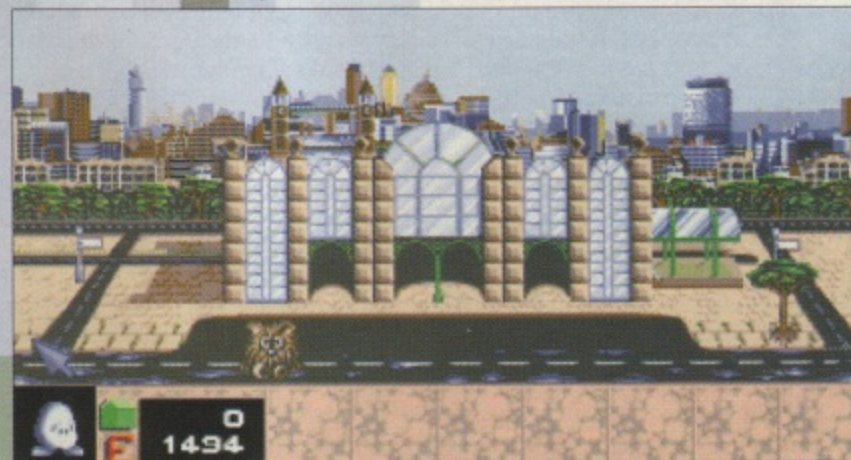
Or at least it is when described like that. Like I said, there are all manner of fiddly little rules that many choose to completely ignore, and a computerised judge and jury seems like the obvious thing to include in a game like this. SO WHY ISN'T THERE ONE! The computer asks you to do very little, leaving you to your own devices to figure out what's going on. When someone lands on one of your properties, rent isn't charged immediately.



No, you have to select the icon to demand rent, but you only have a couple of seconds to do it in, so you've got to wrestle the mouse off the previous player as quickly as possible.

TOP HAT, BOAT...

The presentation of the game isn't at all bad, if a little simplistic for the



I'm sorry, but this doesn't look much like Kings Cross. There are no furry things near there.

(Left) All the usual statistics are in there. (Below) Everywhere you go, you get a little animation of your piece arriving.

presumably adult audience this game would entice. A collection of slightly amusing characters sit around the board and animate slightly when it's their turn. For each move you see a little animation of the piece arriving at the destination on the board. Okay, so the places don't really look like that, but at least the London skyline is realistic.

So what's with the low mark then, you might ask. After all, *Monopoly* is a proven game, and one that has riveted families for years. Surely there can't be anything wrong with a computer version? Unfortunately, there are a few things about the game that I don't like, the biggest one being its speed of play. Okay, so *Monopoly* was never a fast paced game, but a lag of a second between selecting an icon and it actually registering just isn't on. This renders the game very testing to play. There isn't a lot going on at any one time, and the rules of *Monopoly* aren't all that hard for a computer to follow, so I can't see any reason for the pauses between every action. At times, I wonder why software houses put out games like this. Why can't they see that there are

obvious playability flaws which spoil the game? I know that it's all too easy to get wrapped up in production to the point where you can't see the wood for the trees, but if a game veers too far away from the original concept and mars your enjoyment, then all the effort will have been wasted.

DOG AND IRON

Monopoly has all the makings of a great computer game. I have played a version of it on a Macintosh and could happily recommend that, but this Amiga version just falls between two stools. On one hand, it's an adult board game, full of terms and rules that younger players wouldn't have the patience for. On the other, it's been presented in a way that will best appeal to a young market. As a result, it doesn't seem to fit anywhere. **CU**

SUPERVISION £27.99

A500 ☒ A500+ ☒ A600 ☒ A1200 ☒
A1500 ☒ A2000 ☒ A3000 ☒ A4000 ☒

SUPERVISION ENTERTAINMENT LTD,
UNIT N3 METROPOLITAN WHARF,
WAPPING WALL, LONDON E1 9SS.
TEL: 071 702 9391

RELEASE DATE: OUT NOW
GENRE: BOARD GAME
TEAM: IN HOUSE
CONTROLS: MOUSE
NUMBER OF DISKS: 1
NUMBER OF PLAYERS: 8
HARD DISK INSTALLABLE: NO
MEMORY: 1Mb

GRAPHICS: ♦♦♦♦♦♦♦♦78%
SOUND: ♦♦♦♦♦♦♦♦41%
LASTABILITY: ♦♦♦♦♦♦♦♦68%
PLAYABILITY: ♦♦♦♦♦♦♦♦65%

It could have been so good, too.

OVERALL 49%



Goalmouth action in all its glory, thanks to the replay option.

Football fever hots up some more as Sierra release their own entry into the computer game World Cup, and I'm pleased to be able to report that it's a very competent and extremely playable arcade soccer game. Falling somewhere between *Striker* and *Sensible Soccer*, the game is based around the World Cup draw itself, and one of the most instantly playable arcade football engines yet seen.

Let's begin at the beginning. Although the game is based around this year's World Cup, it is by no means an official licence. As a result, you can either play as a team in the official World Cup draw, or take part in a random one. Up to eight people can play at once, each selecting a team and playing through their respective groups until victory or rejection. Naturally, the team you decide to play has a large bearing on whether or not you actually stand a chance of getting through – Italy are far better team than England, for example, and because of that you are going to have a harder time with the latter. It's an interesting way of setting the difficulty level for the



The kick off. See how the Ref actually blows his whistle!

game, and one that works surprisingly well.

Before each match, you are presented with the only managerial aspect of the game – the chance to alter your squad. You are shown all the players in your team, including all reserves and all the relevant statistics. If you like, you can move players around by simply clicking on the one you want to move, and then clicking on the person you want to swap them with. Adding or removing parts

SIERRA SOCCER

Sierra? Doing a football game? And it isn't an adventure? Tony Dillon is intrigued – he checks it out.

Team Selection						
	Pos.	St.	Tk.	Ps.	Hd.	Sh.
1 GK Seamon	14	15	17	20	17	14
2 DF Addams	16	16	17	14	15	6
3 DF Le Sow	17	16	15	14	16	8
4 DF Hoko	16	16	16	14	17	7
5 DF Porkha	14	17	18	15	17	10
6 MF Sharp	15	18	15	17	10	12
7 MF Gozcoin	14	11	15	19	9	20
8 MF Intse	18	18	14	14	9	13
9 MF Plot	19	18	7	13	13	14
10 MF Beerdstee	14	19	4	20	10	19
11 MF Sheeroh	17	14	6	18	14	17
12 GK Flours	13	20	14	17	16	17
13 GK Morkeon	17	17	14	18	16	15
14 MF Synten	18	17	16	13	16	7
15 DF Toons	16	16	16	14	17	7
16 DF Pierce	17	18	18	18	16	20
17 MF Anderton	15	12	15	20	18	14

of a team (attackers, defenders etc) will automatically change the formation you play in. It's a shame you can't define team tactics, such as

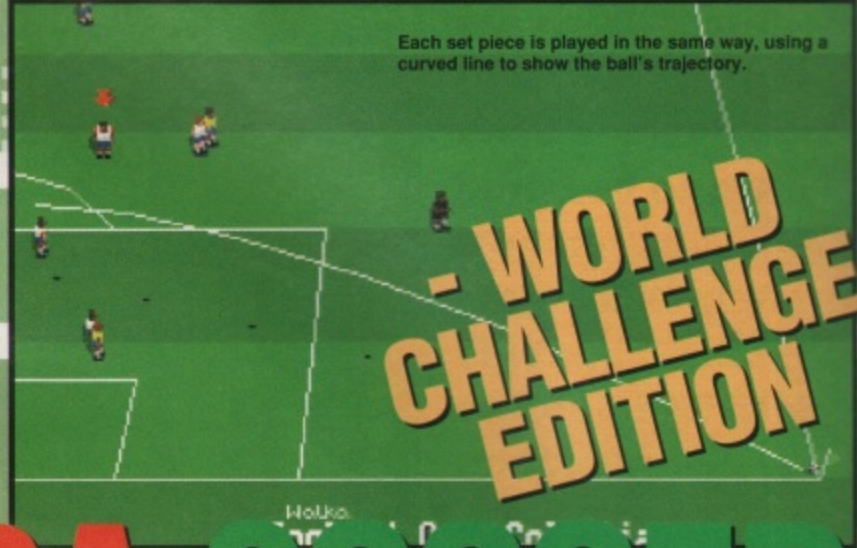
playing aggressively or close marking, but perhaps Sierra thought they would keep this one as simple as possible.

Then it's out onto the pitch, where the game really comes into its own. Whether you've an A500 or an A1200, you'll be

amazed at the spectacular animation of the players on the pitch. Over 4000 frames of animation have the players running, jumping, sliding, falling face down and there's even a fully mobile referee, complete with working whistle.

A1200 owners get the benefit of a full 3D crowd too!

The game is viewed from about 45 degrees looking north, similar to the *Striker* view-point, except the



Each set piece is played in the same way, using a curved line to show the ball's trajectory.

- WORLD CHALLENGE EDITION

England						
	Pos.	St.	Tk.	Ps.	Hd.	Sh.
1 GK Seamon	14	15	17	20	17	14
2 DF Addams	16	16	17	14	15	6
3 DF Le Sow	17	16	15	14	16	8
4 DF Hoko	16	16	16	14	17	7
5 DF Porkha	14	17	18	15	17	10
6 MF Sharp	15	18	15	17	10	12
7 MF Gozcoin	14	11	15	19	9	20
8 MF Intse	18	18	14	14	9	13
9 MF Plot	19	18	7	13	13	14
10 MF Beerdstee	14	19	4	20	10	19
11 MF Sheeroh	17	14	6	18	14	17
12 GK Flours	13	20	14	17	16	17
13 GK Morkeon	17	17	14	18	16	15
14 MF Synten	18	17	16	13	16	7
15 DF Toons	16	16	16	14	17	7
16 DF Pierce	17	18	18	18	16	20
17 MF Anderton	15	12	15	20	18	14

Here's the England squad. Yes, the names have been misspelt intentionally.

sprites are roughly the same size as those in *Sensible Soccer*. The end result is that you get a very wide view of a convincingly 3D pitch. Of course, it looks like one of the goals is larger than the other, but that's just perspective.

The set pieces have been 'borrowed' from *Striker* and games of that ilk too. When the ball goes out of play, or a free kick is awarded, all the players dash to their respective positions, and the person taking the kick/corner/throw in is shown with a curved line stretching away from them. This shows the projected path of the ball, and can be moved around

with the joystick. If the computer player is taking the set piece, you can move your wall around to match their

kick positioning, and hopefully stop them from walking a goal.

Playing the game is incredibly easy, far easier than the *Kick Offs* and *Sensible Soccer* of this world. The reason being that there are none of the combinations and strange joystick positions of those games. The whole control method is far simpler, which means you can spend more time working on team play than just keeping the ball under control. Of course, it's the learning curve that make *Sensi* and *Kick Off* the long players that they are, and naturally there will be doubts that the instant gameplay of this one will spoil the longevity. Have no fear, as *Sierra Soccer* is just as addictive and just as much fun.

It may not have a big licence behind it, but *Sierra Soccer* is still great fun to play, and well worth adding to any collection. **CU**

SIERRA £25.99

A500	A500+	A600	A1200
A1500	A2000	A3000	A4000

SIERRA ON-LINE, 4 BREWERY COURT, THE OLD BREWERY, THEALE, READING, BERKSHIRE RG7 5AJ.

TEL: 0734 303322

RELEASE DATE:

GENRE:

TEAM:

CONTROLS:

NUMBER OF DISKS:

NUMBER OF PLAYERS:

HARD DISK INSTALLABLE:

MEMORY:

MAY
SOCCER
IN-HOUSE
JOYSTICK

2

8

NO

1Mb

GRAPHICS	♦♦♦♦♦♦♦♦♦♦92%
SOUND	♦♦♦♦♦♦♦♦♦♦81%
LASTABILITY	♦♦♦♦♦♦♦♦♦♦86%
PLAYABILITY	♦♦♦♦♦♦♦♦♦♦89%

A cracking good soccer game!

OVERALL 87%



The COMPLETE Solution

BENEATH A STEEL SKY

If living under a steel sky has been putting too much pressure on your brain then Michael Filby should be able to take that weight off your mind.

PART

1

Start off by snapping off the rung to the left of the walkway and use it on the door to the right. When you go back inside, go down the stairs and through the door to the right. Use the circuit board on the various pieces of junk until you get Joey activated. Chat with Joey, then step on the lift. When Hobbins arrives go to the right quickly, open up the cabinet and, once you've grabbed the spanner, return to the lift room. Examine the droid, then talk to Hobbins. He will tell you what is wrong with the droid. Then tell Joey what's wrong and he will fix it.

When the droid activates the lift, quickly jump down the hole. When Joey arrives ask him to open the door. Search Reich's corpse and take his belongings. Go right, then right again into the building next door which is the

factory. Chat with Anita and when Lamb arrives, tell him you're security. Now go right, put the spanner in the cogs and then take it back out again. Go left, examine the droid, and use the spanner on it. Chat to Joey about a new shell and then go right. Try walking through the top-left door, then ask Joey to check out the storeroom. When he returns, tell him to disable the fuse box and when he has done this, walk into the storeroom. Pick up the walkway and get the small lump of putty beneath it. Show this to Joey and he will reveal that it is a plastic explosive.

PILLOW TALK

Leave the factory, go to the building to the far left of the walkway — this is the steam room. Inside, use the spanner on both of the buttons on



Reich seems pretty CUT UP about it!



the boiler. Ask Joey to press the button on the right and simultaneously press the button on the left. When the old man leaves, go to the left of the room and pull the switch. Remove the light bulb and put the plastic explosive in the socket. Pull the switch again and two more switches will be revealed. Pull the one on the right downwards.

Now leave the steam room and go to the lift near the factory entrance. Use Reich's card in the slot and enter the room. Move the pillow and pick up

the holographic projection and ask Joey to persuade the hologram to open the door. Go inside and chat with Burke.

Offer Burke your testicles(!) and he'll give you the Schreibmann Port. Chat to Burke some more about everything. Leave the surgery and go right until you reach Anchor Insurance (next to Travelco). Examine the statue, then chat with the man about everything. Be sure to enquire about a special policy and tell him that Burke sent you. When the man leaves, ask

password, go left, pick up the password, go up, put down, go right, down, pick up, up, put down, left, pick up, up, right, down, right, down, put down, up, up, then exit the room. Once through, collect the bust and the book, now Decrypt your two new documents. Now Disconnect.

Use Reich's card with the LINC machine and select 4. Enter the security number then select 1. Read all the documents then select 0. Now select 2 and 2 again. This gives you special authorisation and you should now exit the system. Use Reich's card

then through the top left exit. Use the dog biscuits on the plank and wait for Mrs. Piermont and her dog to turn up. When the dog starts to bark pull the rope. As the guard gets distracted, sneak into the cathedral. Go through the top left exit and open all the lockers, then leave and go back to the top level via the lifts. Enter the factory and go to where you last saw Anita alive. Wear the radiation suit that's hanging in the middle locker and go right.

NUCLEAR REACTION

Access the control panel and select 2. Exit, and enter the reactor room. Just to the right of the core you'll find Anita's card on the floor. Pick it up, leave the room and close the door with the control panel. Go left and change back into your coat. Leave the factory and go back to the LINC-space interface via the Security Station's lift. Use Anita's card in the interface slot and sit in the chair.

Once in LINC-space go right and use the Blind program in your inventory with the eyeball. Quickly go into the upper exit, go up again and use the Playback program with the well. Go through the upper right exit, use the Blind program on the eye and pick up the tuning fork. Now disconnect.

Leave the security buildings, go to ground level and talk to the gardener outside Mrs. Piermont's house. He'll tell you that his name is Eduardo. Go left and left again, until you reach St. James' club. Go inside, walk up to the jukebox and activate it. When Colston, the club manager, gets up, quickly go over to his table and grab his glass. Examine the metal plate next to the door at the back of the club, then leave. Go to Burke's Bio Surgery via the lift, go inside and give Burke the glass. Leave and go back to St. James' club. Once inside, go the door near the back and use the metal plate. **CU**

NEXT MONTH

Okay folks, you're getting there. If this lot hasn't helped you finish *Steel Sky* then tune in next month for the final breakdown.

the magazine. Leave and continue past the lift you have just been in, going right, you can now enter Travelco. Chat with the man there as much as possible, hand him the magazine and pick up the ticket. Leave and go back to Reich's apartment door. Wait for Lamb

outside and chat with him when he arrives. When he mentions going away, hand him the ticket.

Go back to the factory via the lift and chat with Lamb again. After the tour he will leave you outside the store-room so now go right and talk to Anita. When she asks for your ID card, hand her Reich's. Talk to her some more. Leave the factory and Use Reich's card with the LINC terminal. Select 4 and enter the code from your security manual in the game box. Select 2, then 1, then 1 again, then 2 again. Exit the terminal and wait for Lamb. Chat with him and he will authorise you to enter his apartment.

BIODEGRADABLES

Before going down in the lift, locate the cable to the right of the screen and ask Joey to cut it. Go down in the lift and pick up the cable. Now go to the apartment and use Reich's card in the slot on the right. Go into the apartment and use the machine on the right. Pick up the video on the left and leave. Go to the far left of the long walkway and you'll find Burke's Bio-Surgery. Go inside and chat with

Joey to use his welder on the Anchor. Pick up the anchor when Joey has finished. Leave, and make your way to the top level again.

Now go into the building opposite the steam room and you'll find yourself back at the starting position. Go up the stairs and out of the door. Use your anchor with your cable to make a grappling hook and use it on the security sign on the wall of the facing building. Go through the door to the right and use Reich's card in the slot next to the interface. Sit in the interface and, once in LINC-space, pick up the ball. Now head out of the right exit and use the Open program in your inventory on the carpet bag. Use Decompress on the compressed data and Decrypt with the document.

FIND YOUR WAY

Go through the right exit. Use one of your password programs with the floor and then go right. Put down another



in the slot next to the lift and enter the lift. You are now in the Security Station. Leave, and make your way to the other lift. Use it and then go left to the next lift. Your card will now be able to access this lift, so use it. At the bottom, wait for the fat woman with the dog. Chat to her and then go left and chat with the club doorman. Find the fat woman (Mrs. Piermont) again and ask her to sponsor you.

Now go as far right as you can, until you come to the screen with the boy and the gardener. Press the button by the door on the right. Once inside, chat with Mrs. Piermont. When she makes her telephone call, place the video in the VCR. While the dog is distracted, get the dog biscuits from his bowl. Leave. Go through the bottom left exit and examine the wooden double doors. Use Reich's card on the lock and go through the door. Pick up the secateurs and leave. Go right,



The Best Selling Word Processor and Database just became even better... **VALUE!**

Since its launch, Pen Pal has become the most popular package of its type

Not surprising when you consider the extensive features at your fingertips, combined with user friendly simplicity, it was bound to be a winner! In a comprehensive Word Processor test, Amiga Format commented "There is little to fault Pen Pal, it deserves to do well" - quite a prediction it seems! Format have since said that it's "Still the best value for money..." If you're not a Pen Pal user yet, we hope you soon will be, because at just £39.95... the best just became better, even better value!

Pen Pal

A superb package, with immense power, to fulfil all your Word Processing needs, and... with an integrated Database too! It's all so easy to use, you'll rarely need to refer to the extensive 250 page lay-flat spiral bound manual. Users frequently tell us that they've never found a program they get on with so well.

THE WORD PROCESSOR: You can... Open multiple documents simultaneously; search and replace; cut, copy and paste; check your spelling with a 110,000+ word dictionary; import your favourite IFF/HAM graphics, from programs such as DPaint, or Clip Art files in various sizes and colours; automatically flow text around graphics in any Workbench compatible font (there are over 200 available styles) in different sizes and colours to suit your design... Even as you type!

Full Page View with position, edit and creation of graphic objects and extremely useful forms designer. All this from a word processor and Much, Much, More! As you can see from the documents shown on the left this is no ordinary program!

THE DATABASE: With 32 fields per record, 32,000 records per database and a fast sort of 1000 records in less than 5 seconds, this is a *real* database! Mail merging into the Word processor couldn't be simpler, with easy creation of templates for letters or reports, into which information can be merged.

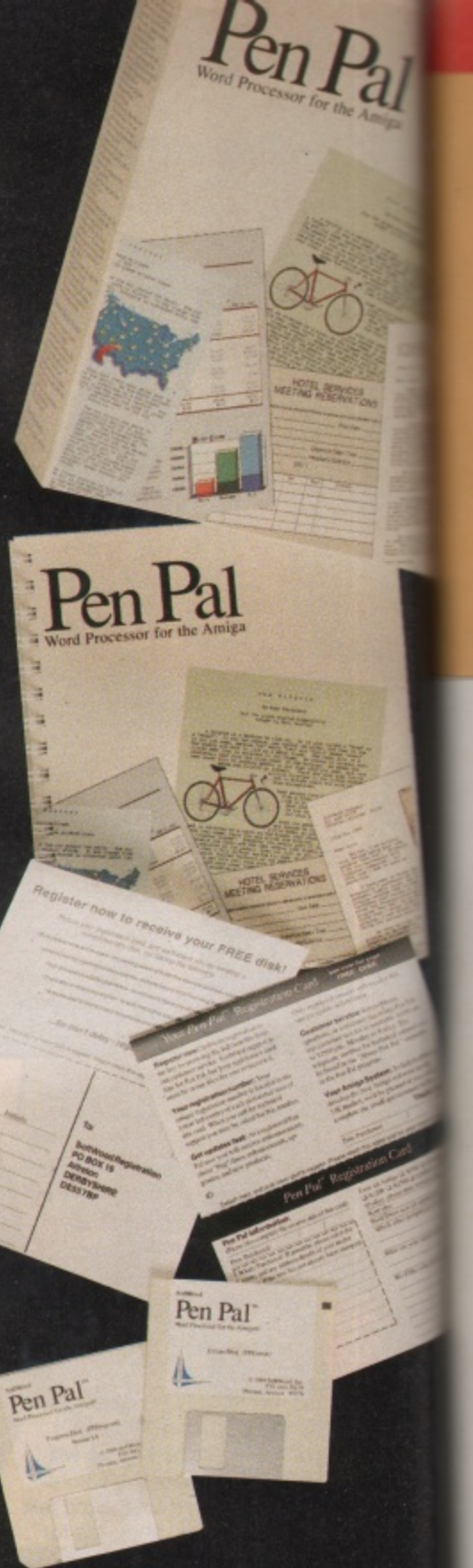
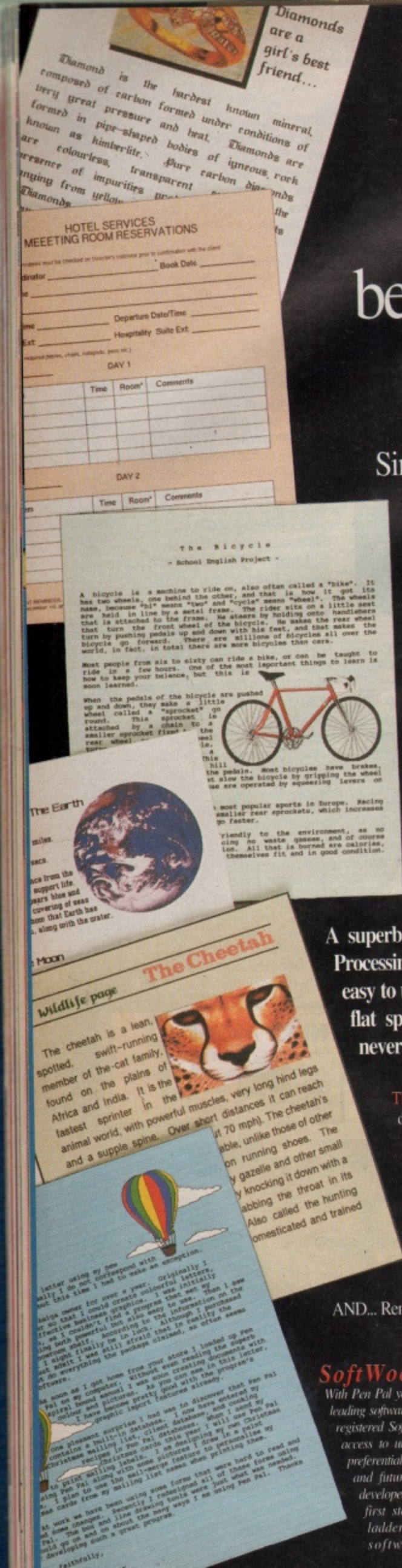
AND... Remember, Pen Pal comes with full support for the new or experienced user completely free!
Friendly help for all registered owners is just a phone call away.

SoftWood - Quality software for your Amiga

With Pen Pal you're not just getting a one off product! SoftWood are acknowledged as the World's leading software company who develop just for Amiga and no other system. Once you're a registered SoftWood product owner your investment is protected as you'll have access to unlimited free technical support (others charge you) and preferential upgrades to other SoftWood titles, both existing and future. Exciting new products are being developed right now. Pen Pal - your first step on the SoftWood ladder of Amiga software

Pen Pal is available from all good Amiga software Dealers or from SoftWood. Call for your list of stockists.

SoftWood Products Europe
PO Box 19 Alfreton
Derbyshire DE55 7RW England
Tel: 0773 836781 Fax: 0773 836782
Pen Pal is compatible with any Amiga from AS1000 to 4000
latest A1200/A4000 ranges with a minimum of 1 Mb. available free



VFM



BUDGET

Steve Keen checks out some top-class titles on a shoestring budget. If only everything in life was this easy!

LURE OF THE TEMPTRESS

HIT SQUAD OUT NOW £14.99



Graphic adventures seem to be ten a penny on the Amiga now, but there was a time when you'd have to walk 10,000 or more miles to find a decent point and click romp. *The Secret Of Monkey Island*, from LucasArts, was the one that REALLY started it all, and hot on its heels came *Lure Of The Temptress*, rich in atmosphere and loaded with new ideas on how to present an adventure.

You play Diernot, imprisoned in one of Turnvale's darkest dungeons while an evil race of marauding mutants, the Skori, led by the machiavelian Sorceress, have just hit town. In classic *Great Escape* mode you've got to figure a way out of the hellhole and find a way to finally rid the land of the evil monsters.

Lure Of The Temptress placed big emphasis on its character intelligence system, called Virtual Theatre. The principle was simple. All the characters that you meet on screen actually existed within the game as independent people. So, rather than disappear from the game as soon as they're out of sight, they continue to wander around and you find yourself bumping into them later on. They may not be doing anything particularly interesting, but it's nice to know that a guy you spoke to about the weather in the courtyard a few hours ago could very well end up sitting next to you in the pub at the end of the day. You could even pick a character and follow him around from one place to another – they just never vanish. More importantly, you can actually ask characters to perform tasks for you and they'll wander off and catch up with you later, wherever you may be.

In short there's tons to do, loads of people to meet, scores of cunning puzzles to solve and a detailed game environment to interact with. The game's also littered with impressive animated sequences that cut in to show you the action in more detail. *Lure Of The Temptress* stands the test of time more than most, and for me, still ranks up with the very best looking and playing graphic adventures around.

87%

JIMMY WHITE'S WHIRLWIND SNOOKER

HIT SQUAD OUT NOW £14.99

A calmness descends on the crowd. The Hurricane lines up his next shot – red ball, top pocket. He draws back his cue, pausing for a brief second to let a tiny gnat remove itself from the green baize. Suddenly the red ball bursts into life and a huge beaming face appears on its surface, shortly followed by a pair of waving hands that jut out from its sides. Hang on a minute! This isn't *Pot Black*. No, it's *Jimmy White's Whirlwind Snooker* and it certainly did make a few heads turn (indeed spin) when it was first released.

Even today *Jimmy White's* game is the most accurate snooker simulation you can get on any format. Every conceivable tool is here for the using to make your turn at the table as realistic as possible, not to mention the weird creatures that mutate from the balls if you take too long over a shot. In fact some have said that there are just a few too many controls to master – the game is certainly not for those who are afraid of giving their mouse a good working over. The control menu can be displayed either at the side of the screen or, much better and more discretely, running along the top. You can rotate the table around 360 degrees, view it from any elevated angle and even zoom in and out on any ball.

Different tournaments and championships are available, as well as trick shots and a choice of computer opponents that vary in skill. My advice is to start off as low down this table as you can as it takes a lot of time to master. The basics are simple, but applying side to shots, spins and screw-back can take hours to perfect. The table is massive too, but once you've figured out how to tilt and rotate the beast you'll soon overcome the problem of not being able to actually see the pocket that you're aiming for.

Jimmy White's Whirlwind Snooker does look slightly dated in the graphics department and the sound is distinctly smelly, but it's still the best snooker game available and, let's face it, no one programs 'em better than Archer MacLean!

86%

DUNE

HIT SQUAD OUT NOW £14.99

I've lost count of the amount of times I've settled down and tried to get my head around *Dune* the movie. If only they'd put it on TV earlier in the afternoon I might be able to stay awake long enough to see the end credits! So, when the game of the film was first released, I didn't really go out of my way to give it a whirl, but now I realise what I missed.

I won't go too far into the plot, suffice to say that the game is a lot easier to follow than the film. You take the role of Paul Atreides, son of a Duke who lives in the palace on the planet *Dune*, which is under constant threat from invaders who crave Spice, its precious mineral that aids space travel. It's your job to make sure that there's a constant stock of the stuff in the warehouses and that you recruit enough people to mine the substance.

You can travel around the planet in a number of ways. At first by ornithopter, a mechanical insect style aviation machine that skims the desert surface and flies you to your destination. Sooner or later you'll have to venture out on foot, but take care, stray too far into the desert without a life support system (a 'stillsuit') and you'll fry, or worse still, be consumed by one of the giant worms that burrow under the sand and burst up through to the surface, taking you by surprise.

Graphically, the game goes for basic-looking locations and backdrops, but some of the desert scenes, animations and travel are visually stunning. Of particular note is the cunning use of tinted colours that give the illusion of turning night to day. Best of all though is the music. So often in adventures this is put to the back of the list of priorities, but in *Dune* it's orchestrated with great style and atmosphere (just like the movie). The game's easy to control too, with little disk swapping and very fast updating, allowing you to move between locations quickly and with minimum fuss.

Dune in 1994 is well worth giving a whirl and if, like me, you never could get along with the film or books, don't fret, this adventure is much more accessible.

80%

SLEEPWALKER

HIT SQUAD £9.99 OUT NOW

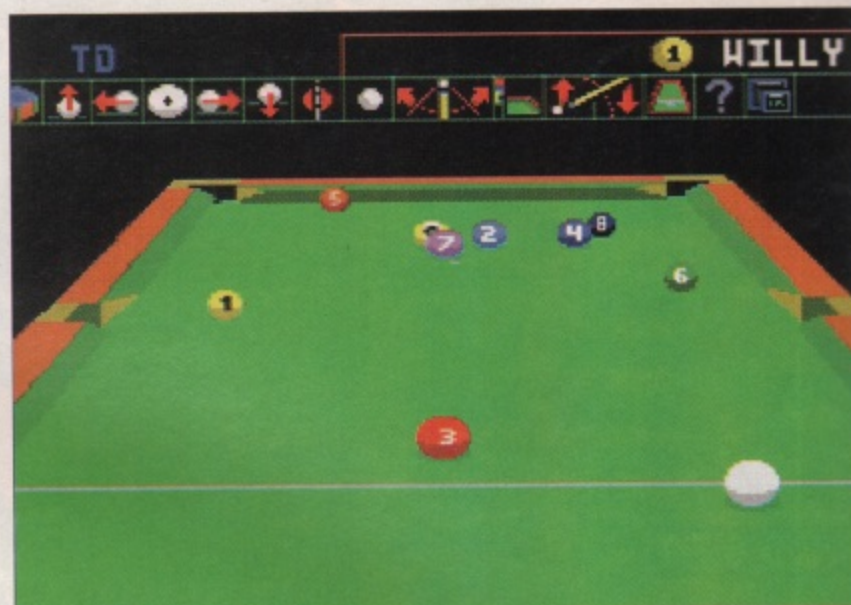
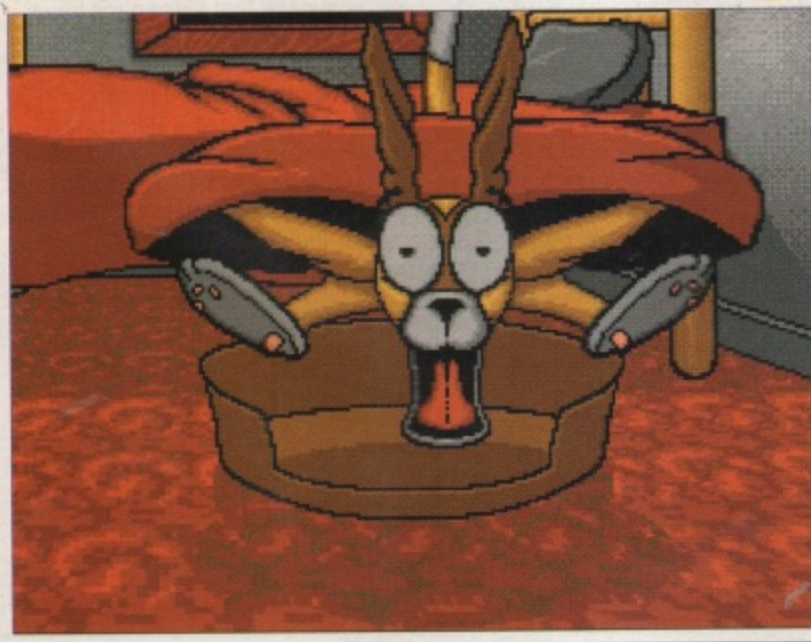
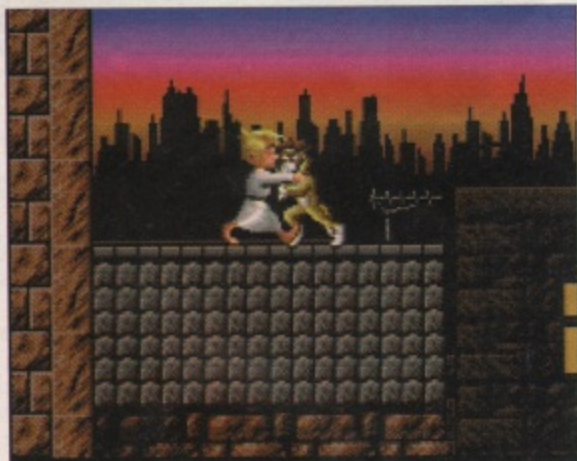
Sleepwalker was just one of the fan-tabulous, pop-mongous, dream-tabulous products that did the rounds when those big hearted, smashing, Comic Reliefers were in full swing. The game even features the voices of Harry Enfield and Lenny Henry in the intro sections.

Not a company to go against tradition, Ocean Software opted for a mildly original platform affair for its brief stint with cha-arity. The game centres around a young lad named Lee who is a compulsive sleepwalker and who, one night, jumps out of the window for a midnight stroll across the rooftops. Fortunately, he's spotted by the family dog, Ralph, and the hound gives chase, trying to keep the yooof out of danger and guide him back to bed.

Each level presents different obstacles for the duo to negotiate. Lee's in a deep sleep, but every time he comes into contact with a particularly dangerous object he'll instantly be woken up and die of shock. However, Ralph is as smart as a dolphin with two heads and can employ any number of tactics to keep the youngster dozing. By running ahead and leaving Lee behind, Ralph can disarm several of the traps that could harm Lee. For instance, Ralph can close sewer drains, cover manholes in the road and knock out nightclub bouncers. After you've eradicated all possible dangerous obstacles you must run back to collect Lee and guide him to the level's exit. It's not all plain sailing from there though, as you still have to turn the youngster around and make him walk in the right direction. Some parts of the game require you to make a human bridge out of Ralph to prevent the boy falling to his death.

Quite a nice idea for a game, but the whole thing appears to have been a bit rushed (due perhaps to the deadlines imposed by its original Comic Relief launch date) and the game graphics and variety of levels leaves a bit to be desired (although the A1200 specific version has been enhanced). Bonus levels are included, where you guide Ralph around a level collecting balloons for extra lives and special icons. If you collect all the objects in every round you'll be able to see an extra animation when you've completed the game.

Variety of gameplay is what ultimately lets *Sleepwalker* down. Every level's against the clock too, so it's quite normal for you to be sent back to the beginning of a certain level, after nearly completing it, because the time's run out. As far as I know, none of the money for *Sleepwalker* goes to charity this time round, and without the hype surrounding Comic Relief this is a frustrating substitute for top platforming fun. **70%**



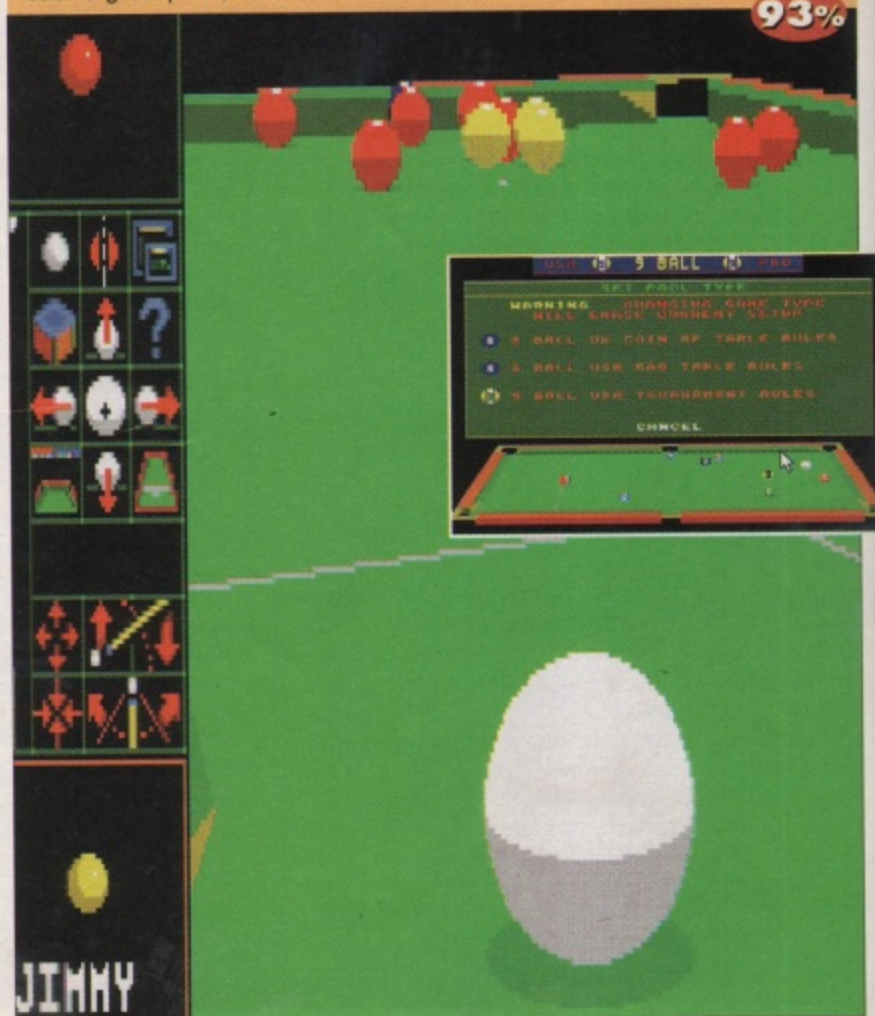
POOL

HIT SQUAD £16.99

Not only have the Hit Squad acquired the superb *Jimmy White's Whirlwind Snooker* from Virgin, they've also snapped up the rights to Archer Maclean's follow up, *Pool*. It may not be as comprehensive a game as Team 17's *Arcade Pool*, but it still contains all the rules for US and UK 8-ball and US 9-Ball matches.

Using the same graphic engine as *Jimmy White's*, with some speed optimisation (believe me, this thing really shifts on an A1200!) with a few minor modifications, the game has the same natural feel and realistic gameplay of the former, with a few minor twists. The big difference comes in the US games, where the balls are spotted, striped and numbered. Sadly, the balls don't actually roll like they do in *Arcade Pool*, gliding along the table instead, with the numbers always facing you. But then the maths involved in creating rolling balls are beyond the A1200's capabilities. What do you want, realism or speed?

It's a great game, and although it's not very different from *Jimmy White's*, it's well worth owning both just for the variety of game. And at such a great price, too!



VIDEOWORLD

8.Ardoch Gardens, Glasgow. G72 8HB

Telephone: 041 641 1142

AMIGA Desktop Video

Amiga Systems

A1200 120 MB HD	£500.00
A1200 120 Mb HD Memory + Co pro	£800.00
A4000 30/40	£P.O.A.

All systems come with 1 year on site warranty. Various system configurations are available. Please call with your exact requirements.

Memory Expansion

A1200 2MB +20MHz 68882	£195.00
A1200 4MB +20MHz 68882	£245.00
A4000/A1200 4MB SIMMS	£135.00
A4000/A1200 8MB SIMMS	£265.00

Other configurations available - please phone with your requirements.

IDE Hard Drives

80MB	£169.00
120MB	£199.00

All drives come pre-formatted and include cables

Paint & Presentation Software

Scala MM211	£145.00
Scala MM 300	£299.00
Mediapoint	£289.00
Brilliance	£149.00



Nexus Pro Background Picture Sets

High Quality IFF Pictures that are perfect for Videotitling, 3D Rendering, etc!
Work in Scala, D Paint, Brilliance, Mediapoint.

Set One : Papers

Various Paper types, including Parchments, Marbled, Papyrus, Foils & Embossed.

Set Two : Fabrics

Varied Fabric backgrounds including Silks, Satins, Cottons, Leather, Denim, etc.

Set Three : Textures

Various textures including Stoneworks, Woods, Floorboards, Marbles etc.

Set Four : Travel

Including Famous Landmarks from around the world, perfect for use as Chromakeyed Backgrounds or for Holiday video title backgrounds.

Set Five : Weddings

Including Parchments, Silks & Flowers, Satins, romantic brushes, etc.

"If you use an Amiga for your wedding videotitling you can't afford to be without these sets ...They come highly recommended."

I.O.V. Storyboard Magazine

"Plenty of pictures for the pound ... These pictures look excellent"

Amiga Shopper

Price per set - **£35.00** or buy the whole range for **£150.00**

NEW! NEW! NEW!

Nexus pro Videofonts Set

This five disk set contains over 50 high quality scalable fonts that are the perfect solution to your videotitling and DTP requirements. Compatible with Scala, Brilliance, Final Writer, Pro Page, Pagestream etc.

Amazing Value at only **£14.99**

DELIVERY: Next day £5.00 2-3 Days £2.50

Deliveries are subject to stock availability



THE HISTORY OF COMPUTER GAMES

This Brilliant value pack
contains 25 all time
classics on 7 disks and
comes professionally
packaged with a definitive
manual on the history of
computer games. This
nostalgic trip down memory
lane is an absolute must for
your games collection at

ONLY £17.99.

Simply fill out the coupon
below and make your
cheque/postal order

payable to The Software
Business. Alternatively call
the credit card hotline on
0480-496497,
or fax us on
0480-495605.

AMIGA VERSION

Liamatron, Super Raid IV, Mr Giddy, Missile
Command, Battships, Cybernetix, Klaktris
Little Boulder, Rollerpede, Super Pac-Man
Megaball 2.1, Dungeon Flipper, Lemmings
Fighting Warrior, Bop 'n' Plop, Monaco, Pong
Deathbringers in Space, Fruit Salad, Motherlode
Defender, Amiga Gnu Chess, Doody, Girl Action
Bombjack

The
Software
Business

All Trademarks and Registered Names are the property of their respective holders.

NAME <input type="text"/>	
ADDRESS <input type="text"/>	
<input type="text"/>	
POSTCODE <input type="text"/>	PHONE <input type="text"/>
ITEM <input type="text"/>	PRICE <input type="text"/>
Please allow 28 days for delivery.	
Visa/Mastercard/Switch Number: <input type="text"/>	
TOTAL <input type="text"/>	

Switch issue No:

Card Expiry Date:

SIGNATURE:



Make cheques payable to:
The Software Business,
Cromwell Business Centre, New
Road, St Ives, CAMBS PE17 4BG.

WARNING

Due to the exchange rate, or manufacturer's changes or due to current RAM shortage, some prices may alter, either up or down, during the several weeks between going to press and the end of the month of issue. We would ask that prices be confirmed by telephone before ordering.

CD PHOTO/GRAPHICS PACK FOR A4000

Take high quality images from CD (CDTV, CD32 or your own photographs processed onto KodakTM Photo CD) and input them for manipulation into any DTP or Art package in any IFF file format. Software provides full image processing and output support for 24-bit display cards such as Picasso, Retina, Picollo, Opal Vision, etc.

CD System includes: Toshiba CD ROM drive, SCSI II control and software **£399.90**
As above without SCSI **£299.99**

WHEN PURCHASED AT THE SAME TIME AS A4000

CD System	As above	569.90
Amiga 4000 memory	4MB SIMM	£159.99
Display Cards	Picasso 2MB	£309.90
	Retina 4MB	£459.90
Image Processing s/w	Art Dept Pro 2.5	£129.00
	Image FX	£179.90
Photo-Realistic Printing	Primera Colour Printer with 100 Print Pack	£899.90
Canon Disc Camera		POA

OLD AMIGA TRADE-IN*

The best trade-in allowance, extra for peripherals and accessories. Trade in your old machine for a brand new A600/1200/4000/CD32 or even a PC.

After trade-in, equipment is checked and refurbished by our engineers and is then offered at bargain prices, complete with 3 months warranty.

A500s FROM £139
A1500s FROM £199

A600 SD/HD	from 159	HDs + Controllers	from 179
A3000s	from 499	GVP HD8 40/52	209/229
CDTV	179	XT/AT BBoard	50/91
A590 20/40MB	129/159		

OTHER ACCESSORIES - PLEASE ASK.
*Acceptance of pre-V2 machines may be limited

A500/600

INCLUDED	AS STANDARD	ALONE	PLUS STARTER	WARRANTY	EXTRAS
A500+ CARTOON CLASSICS	194.99	209.99		12 months	Extra 1MB £25
A600 SD WILD, WEIRD AND WICKED	194.99	209.99		12 months	Extra 1MB £30
A600 HD 20 EPIC	274.99	284.99		at home	PCMCIA CLAY Keyboard £45

Return to base HD versions are SD units fitted with top quality 3rd party drives and come with install disc + full documentation. *DPH needs 2MB for animation on HD models.

NO OTHER DEALER CAN BEAT OUR CREDENTIALS

- Multi-million company with 10 years experience in Commodore product and here to stay
- Commodore trained staff are friendly and helpful and are parents, multimedia, educational, games, programming or technical specialists (usually more than one!)
- Open 9-6 pm Monday to Saturday and 10.00 am to 4.30 pm Sundays PLUS December late nights on Thursdays (St Albans only) for convenient shopping.
- Callers welcome for advice and demonstration at our 1600+ sq ft High St, Town Centre branch
- Same day despatch for most orders received by 5.30 pm; express am and Saturday services available
- Hardware carefully handled and delivered safely and reliably by caged, insured, top name courier service
- Pre-despatch testing on Amiga systems
- Free 30 day courier collection and delivery of NEW replacement (except product with on-site maintenance)
- Hotline support and in-house engineers
- Upgrade and trade in offers to keep you up to date
- Exceptional after sales service
- BFPD and export welcome

NOT JUST ANOTHER MAIL ORDER COMPANY

For years a major player in Amiga Mail Order, Hobbyte also boast extensive expertise and experience in specification and support of multi-machine and specialist systems. Hobbyte have been recommended and trained by Commodore and successfully won major orders and support contracts from London Boroughs, MDD, educational establishments etc. We are pleased to be placed on tender lists. This expertise is available to all our customers.

NOW FOR 1200 - PHONE

COMPUTING ESTABLISHED 9 YEARS

10 MARKET PLACE
ST ALBANS HERTS AL3 5DG
TEL: (0727) 856005/841396

A4000/30 & 40

A4000/30: AGA Chip Set + 68030 processor, 68882 25/50 MHz co-processor option, 256,000 colours from 16.6M, scan doubling for flicker free display, Mouse, Amiga 3.5"/1.76 MB 3.5" drive, Hard Drive as below, Amiga DOS 3.0 system and utilities.

A4000/40LC: Desktop as above, but featuring the blistering 68040 processor, with full floating point facilities.

A4000/40TW: Tower with full 040/FPW/MMU processor with SCSI-II & IDE 1/Faces.

All above, full UK models with next day on-site warranty. WARRANTY UPGRADES: Same Day Warranty £39.99 3yr Ext. Warranty £99.99

PRICE PROMISE
WE WILL MATCH OR BEAT ANY A4000 PRICE

	A4000/30	A4000/40LC	A4000/40TW	EXTRAS
HD SIZE MB	1+1MB SUBTRACT \$60	2+2MB STANDARD VERSION	2+4MB SUPER EXP. VERSION	
No HD	899	1449	1819	
80	989	1539	1929	
120/130	1059	1589	1979	
214	-	1629	1979	
240/260	1089	-	-	
340	1129	-	2039	
520/540	1289	1869	1899	
1GB			2199	
2GB			2899	

A4000/30 CO-PROS: 68882 25MHz £89.99 33MHz £99.99 40MHz £99.99 50MHz £109.99

PHOTO GRAPHICS PACK SEE TOP LEFT

HOW TO USE THIS AD

Exclusively from Hobbyte, you can choose your own Amiga and software combination and still benefit from the huge savings only available from package deals. Want an A600 pack for small children? No problem! A professional pack for music or programming? It's up to you!

SPECIAL £59.90

Choose any 3 CD discs for one software section

CD32 SOFTWARE

Over 75 titles specially written for the CD32 should be in stock (phone for list), inc. Syndicate, Zool 2, Jurassic Park, Chaos Engine, many of which include a full CD music track alongside the game. About half of existing CDTV titles are compatible. CD32 will also play normal music CDs and CD+G discs

CD32 Standard warranty is 12 months return to base. 12 months at home warranty £39.99 Extra 2yrs warranty £39.99

CD32 MICROCOSM PACK

CD32 Console (with Oscar AGA, Wing Commander, Dangerous Streets, Diggers + Joypod FREE) Now with CHAOS ENGINE and MICROCOSM

£239.99

AVAILABLE NOW!
CD32 FMV AND SXI

Full Motion Video module for CD32	£189.99
Microbotics SXI	£135.99
Keyboard for SXI	£42.50
Floppy drive for SXI	£48.90

A1200

2MB Single Drive	269
+20MB HD	359
+60MB HD	419
+80MB HD	429
+120MB HD	479
+200MB HD	529
+340MB HD	679

Extra 4MB + clock fitted ADD £200

**CIB APPROVED HARD DRIVES

Full legal installation/utility disc and documentation and come with CIB on-site warranty service.

DON'T FORGET YOUR STARTER PACK! ADD £15 (SEE VALUE PACKS BELOW)

SPECIAL

Citizen ABC 24 pin colour printer with sheetfeeder and Starter Pack **ONLY £170**

WITH ANY COMPUTER

CHAOS ENGINE, SYNDICATE, PINBALL FANTASIES, NICK FALDO'S CHALLENGE GOLF

ADD £17.99

OR LEMMINGS, SIMPSON'S, CAPTAIN PLANET, PLUS D PAINT III

ADD £14.95

HOBBYTE VALUE PACKS

Hobbyte are famous for their packs, allowing you to choose what you want, whilst still benefitting from package deal savings. Remember, a bargain is only a bargain when you like what you get! So, if you aren't Wild, Weird or Wicked, Sleepwalker sends you to sleep, Space Ace leaves you feeling empty. Paradoird does worse, if Basic basically isn't you, exercise your options and get real value for money from Hobbyte

TRAMPY'S AND NODDY'S PACK

Fun and educational for 2 to 11 years (Some help may be required)

	SPECIAL WITH AMIGA £39	ALONE £59
Noddy's Playtime OR Big Adventure OR Merlins Maths	8 magical learning games at 3 levels, PLUS Junior Art pack, keyboard overlay and map	6 National Curriculum oriented games, stage 2, 7 to 11
The Shoe People OR Fun School 2	6 games with Trampy and Friends, 6 years and under. The "Fun School" suite have won every award going. 5/6 wonderful animated games. 3 to 11 years, specify age.	The loveable extra terrestrial entertains 4-7 year olds and helps towards achieving National Curriculum levels 1, 2+ 3
Fun School 3 or 4 OR ADI Jnr Reading OR Counting	Pics inc. children, Fairytale + Legend characters, Sport, Cartoons, etc.	Containing 10 fun while you learn games
Deluxe Paint II + 700 Clip Art pics		Simple games, or those with very easy levels. Even the youngest will be able to use some of these
Hobbyte Primary Educational PD Pack		
Hobbyte 30 Easy Children's Games Pack		

SERIOUS USER'S PACK

Interested in music, programming and graphics? Then this pack is for you!

	WITH AMIGA £39	ALONE £49
Easy Amos	THE programming language. Wonderful manual is simple and entertaining - ideal for complete novices	97% AF rating - the second highest rating EVER given. Learn to professionally create your own games, utilities. Loads of sample programs included
OR AMOS Professional ADD £10 for this option		Dozens of utilities, Protracker music modules, example programmes that no AMOS programmer would be without.
Hobbyte AMOS PD Greats	Create your own designs to incorporate into your AMOS programs	If you have a MIDI instrument, this is everything you need to compose and edit your music
Deluxe Paint III, plus 700 Clip Art pics		Powerful presentation and production tool
MIDI Recording Studio & MIDI Interface		
OR AmigaVision		

STARTER PACK

A must for new users! All you need in one value pack

	WITH AMIGA £15	ALONE £25
10 blank discs	Make working copies of Workbench and other original applications discs as soon as you get them	Check discs regularly, especially if sharing with friends
Virus Killer	Helps prevent dirt/dust collecting on mouse contacts	
Mouse mat		
Plus Microswitched Joystick, 80 cap. lockable disc box, Dust Cover		

HOT BUG GAMES PACK

The top-selling Hobbyte Hot List pack now includes the ultimate joystick!!!

	WITH AMIGA £44	ALONE £59
"THE BUG"	The only joystick ever to be given a Gold rating 92% AF, positive single-handed action, small and lovely!	See listing to the right for current HOT LIST, or phone for latest changes. Children's games available.
10 "Hot List" Games		
The GREATEST!		

80 Prog. Hobbyte PD Greats Pack II 10 blank discs, mouse mat, 80 capacity lockable disc box, plus dust cover

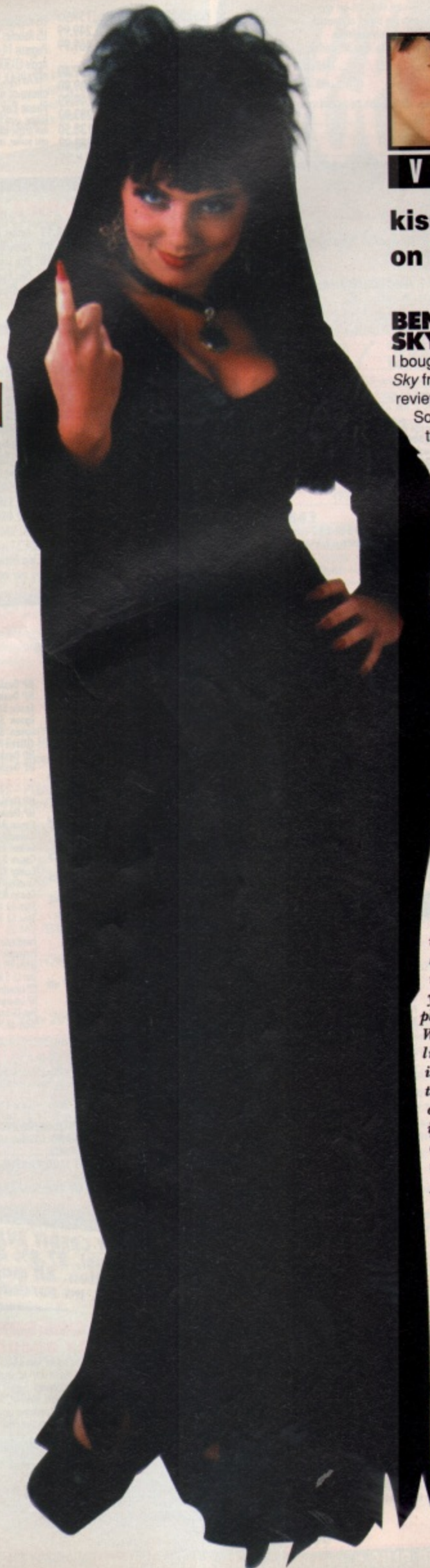
DESKTOP DYNAMITE EXTRA

	SPECIAL WITH AMIGA £44	ALONE £59
Wordsworth 2 AGA, Deluxe Paint IV AGA, Digita Print Manager, Dennis the Menace AGA, Oscar AGA, Trolls AGA, PLUS 2 'Hot List' titles	Wordsworth + Deluxe Paint IV are top packages in their fields, EACH with RRP's almost twice the total pack price. Together they can produce high quality documents including graphics in up to 256,000 colours	

THE HOT LIST GREAT individual packaged game BETTER THAN REST !!

(previous RRP's £39.99 each) ANY 10 £29.99
Thunderbirds (7yrs+) + Silly Putty - 90% + lots of EIT/Toki/Puzznik (counts as 2)
Paperboy II + Die Hard 2
Colossus Chess + Challenge Golf
Battlefields classic board game
Greene Souness Soccer Neighbours
Frankenstein + Captain Planet
Silkwood Helicopter + Tag Team Wrestling
Edd the Duck + Slack Up + Lemmings 92% AF
Round the Bend + Fist Fighter
Sporting Triangles
World Cricket
Bart Simpson
Spiderman/Captain America
Arcade Trivia
Xenon - C+VG Game of the Blade Warrior - A Power, AF superb reviews
Amiga
AWARD WINNER
Space Ace, Kick Off, Pipplam (counts as 2)
* PARTICULARLY SUITABLE CHILDREN (MAY NEED @ NOT A1200 COMPATIBLE TITLES MAY VARY

Adventure Helpline



VAMP

Feeling fed up because you are stuck in the middle of your favourite game of all time. Never mind, Vampyra is here to raise your spirits and kiss it all better with some smart tips on your favourite adventures.

BENEATH A STEEL SKY

I bought the brilliant *Beneath a Steel Sky* from Virgin after reading the review of it in your magazine.

So far in the game I have gone through the security headquarter's window with the anchor and cable. However, when I entered the Interface, the eyeball zaps me when I go towards the exit. The possessions I have are the Charon, the passwords, the Phoenix program and document, the decompressor and the briefing plus report documents. I have also used the decrypter on all of the documents.

Jason Russell, Bristol.

Well I haven't actually had time to get my teeth into this game yet, as I've been too busy biting more interesting things, so I rang the help line 081-9648242, (me ringing Virgin's Help Line, that's a laugh for a start!) and tried to explain your problem. The very nice lady at the other end told me you shouldn't have any problems providing all the question marks have been removed from your documents, plus a little man. Well that sounds like an interesting concept I thought. She went on to explain that if you look at the question marks using the magnifier they will disappear. She asked me if you had looked at your little man with the magnifier? I told her that I hadn't liked to ask as it seemed so rude. Is there a little man on your documents? If so, what have you been doing to him? She also said you are supposed to ensure that you are disconnected from the interface. I hope that helps. If not, fear not CU AMIGA has come to the rescue yet again (those heroic devils) there's a solution in this very mag.

CURSE OF ENCHANTIA

I am stuck on the *Curse of Enchantia*, in the Ice World. How do you get into the Castle? I've found the bits of ice sticking out, do you have to play them in a certain order? If so, what is it?

Andrew Humphrey, Chipping Norton.

Well I know how I get into castles. I just fly up to the battlements then crawl down the walls until I find an open window, but then I don't suppose you know how to turn yourself into a bat do you?

You are quite correct that playing the pieces of ice is the solution. But you've got to push and pull them in the correct order.

The solution is found by watching the penguins who are walking past in a certain order, and then push/pull the icicles in the same sequence (i.e. shortest to longest). Get that bit right and the door will open.

MONKEY ISLAND II

I have been reading CU AMIGA for two years now and never had a problem worth writing to you about.

Curse of Enchantia: Watch out in case an Ench comes around your street cursing his head off!



But times change, and now my dear maiden I've got a few for you concerning *Monkey Island II* that need solving.

1. How do I get the picture of the parrot near the real one?
2. How do I get the book on Governor Phatt's bed?
3. How do I win the spitting contest?

P.S. Please tell me whether your arrival got anything to do with Slingsby's departure?

Sigi Van Espen, Belgium.



Swinging around in *Monkey Island II*. You can swing around and make yourself a monkey too.

Oh no, not more questions about birds looking in mirrors. You know why girls are called 'birds' don't you? It's because they pick up worms! Anyway, it's not the picture of the parrot you need, it's the mirror itself. You can simply buy the packet of parrot chow and then put the picture on the hook near the vain bird. Now you can pick up the mirror.

Go to the library and use the card index to find any book title you like, plus the Joy of Hex and the Pirate Quotations book. Ask the librarian for a temporary card to borrow the books. In the Governor's bedroom, use the extra book from the library on the book on the Governor's bed.

To win the contest you must buy a selection of drinks from the bar first. Mix the blue drink with the yellow drink. Blow the ship's horn, and when the Spitmaster moves away, pick up the flags and switch their places. Use the green drink with the crazy straw then move to the Fault Line. Launch your spit when the woman's sash flaps and the wind will give it some extra help. (My God this is gross).

As to the sudden departure of our former editor, Dan Slingsby, it was nothing to do with me. On the other hand I'm quite partial to our Games Editor Tony Dillon. Mind you, it's well known that I'm partial to a bit of heavy metal head banging.

GOBLINS II

We are having a little problem with *Goblins II*, and it is driving us mad. The items we have collected so far are the stone, the bottle, the matches, the wine and the sausage. We have lit the fire next to the giant, but that is as far as we have got. Please, please help us.

Keith and Ian Worley, Warrington.

I'm not a big fan of *Goblins*, but I do like fairies – they are always so beautifully dressed. Why is it that 'no-one loves a fairy when she's forty'? Believe me boys, older girls are so much better.

As all fairies know, giants love a fried egg so obtaining one is your next task. Get Fingus to stand behind the chicken while Winkle picks it up. Once the chicken is firmly grasped, get Fingus to smash it on the head with a sausage and it will lay an egg. (And to think that you thought free-range eggs were cruelty free!) Once you get the fire going, use the egg on the fire.

LURE OF THE TEMPTRESS

I know *Lure of the Temptress* is old hat, but I am still stuck at the beginning. I know I have to get a potion from Taidgh's house, but I have nothing to put it in. I have a broken glass, a knife, a gem, a lockpick, a diary and a few groats.

Kerry Clayton, Fife.

I think your trouble is that you are wasting your life playing silly games and not enough time chatting up girls in pubs. Go round to the Magpie Tavern and get an eyeful of the barmaid; she's a girl worth getting to know. Remember that diamonds are a girl's best friend, so before she'll give you what you badly need, you'll have to give her what she wants. Isn't bartering a wonderful thing.

FUTURE WARS

We are four 'mature' RPG enthusiasts having struggled with and completed games like *Operation*

Stealth, *Indiana Jones*, *Monkey Island I and II*, *Kyrandia* and *Enchantia*, but *Future Wars* has us beat. We have gone through the shuttle port, up the escalator, and been captured by the Crughorns. We have now found ourselves in a cell with an air-duct.

So what now? Please help us before serious damage occurs to the game disks, our Amiga 500 or indeed each other.

Mrs L. Butler, Nottingham.

What you must do is remove the grille from the air duct, insert the gas canister, then place a newspaper over the grille to prevent the gas seeping back into your cell.

The gas canister is found hiding beside the glass case which the girl was encased within in the Medieval World. The newspaper is obtained from the vending machine on the station platform.

Find the coin in the returned coin slot, then use it twice to make the machine work. Remove the grille from the duct using the key.

INFIDEL

I recently bought an ancient text adventure, *Infidel* by Infocom, from a charity shop. Do you or any of your readers with long memories know the answer to the following puzzle? I am in the pyramid, in a room with a recessed panel containing nine numbered bricks in rows of three. On the assumption that there is a secret room somewhere in this area, what do I have to do with the bricks to gain entrance?

Mrs A. Bird, New Malden.

Well this could be difficult, for I know from personal experience that the ancient Egyptians got up to lots of tricks with bricks, some of which were quite painful.

Have you heard of their technique concerning the 'bricking' of camels? No? Well I'll explain.

On one drink of water a camel can travel across the desert for a week, however there are some regions where there is no water available for at least two weeks, and only by 'bricking' your camel can it make the

journey. The trick is to lead your camel to an oasis and let it begin to drink. When it begins to suck in a belly-full of water, you must surprise it by bashing its 'unmentionables' between two bricks. The result is, in one sudden gasp it will suck in double the amount of water that it normally could; enough to last a further week. Don't be concerned because it doesn't hurt – providing you avoid catching your thumbs between the bricks.

To solve your problem you first need to get the Scrolls, (another painful condition). Starting from the Room of Selkis: get the ruby, go southwest twice, get the sack and climb the rope. Drop the sack, wet your torch with the liquid, get the sack, go west, east, then south.

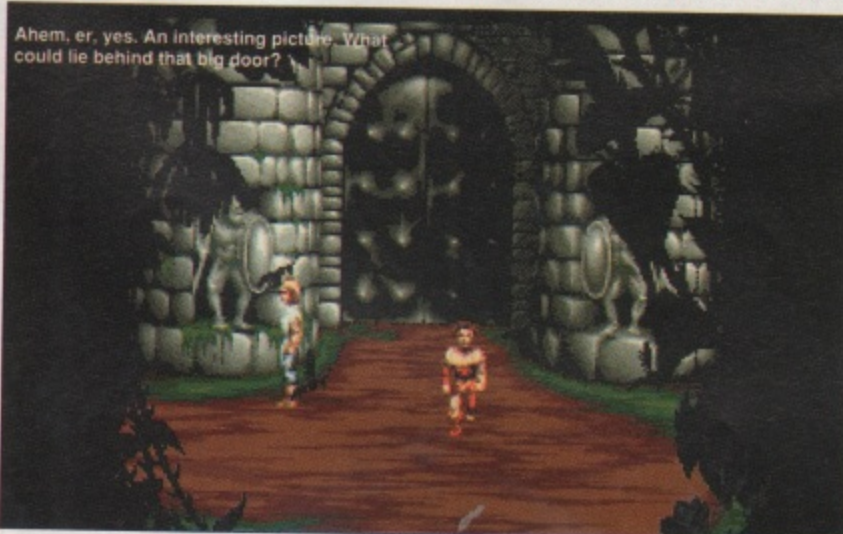
Drop the sack and get the scroll. If you read the scroll it will show you that you need to take out the third brick and then the fifth to solve your little problem.

‘She’s beautiful, bewitching and ‘Bad to the Bone’, but Vampyra is still everyone’s favourite nightmare.’



Once again the bat on the wall says it's time for bed, so I must love you and leave you. One final thought girls: any woman who wants to be the equal of men, is seriously lacking in ambition!

Write down your little but not unimportant problem and send it in a plain envelope to:- 'Dear Vampyra', CU AMIGA, Priory Court, 30-32 Farringdon Lane, London EC1R 3AU.



Ahem, er, yes. An interesting picture. What could lie behind that big door?

INDI DIRECT MAIL

is original and very exciting. Before you buy mail order you must first be confident that you will receive the product you've ordered and that the supplier will still be there in the future, should you need them.

A mail order purchase from INDI is a safe and secure decision and here's why. Indi is a wholly owned subsidiary of a public company now in its eleventh year of trading and specialising in the supply of computer products.

With a group turnover approaching £30 million per annum, INDI have the resources and the purchasing power to offer you the best deals, deliver them next day nationwide and always be around when you need us.

No Deposit Credit 5 Years to Pay

INDI are now able to offer competitive credit facilities on all orders over £100. Payment can be over 12, 24, 36, 48 or 60 Months and can include insurance to cover repayments in the event of sickness or unemployment. All credit facilities are subject to status and applicants must be over the age of 18. If you would like a quote, simply call our sales line where acceptance can normally be notified within the hour.

Express Cheque Clearance

Simply write your cheque guarantee card number, name and address on the back of your cheque and we will normally be able to despatch your order the day that we receive your cheque. Cheques, received without a cheque guarantee card number, will normally clear within a maximum 7 working days.

INDI TELESales

TEL 0543 419999 FAX 0543 418079
9am - 7pm Monday to Friday
9.30am - 4.30pm Saturdays

New Products!

AlfaScan - Plus 256 Greyscale Alfa Colour 256K Colour Hand Scanner



£129.99

Alpha Scan Plus

£334.99

Alpha Colour

This Superb A4 Amiga Scanner voted "Amiga Shopper Best Buy", arrives complete with Merge IT and Micrograph OCR Software. Merge IT allows the simple, quick merging of two on-screen images and Micrograph OCR turns your Amiga into an efficient text reading system.

Amiga 500/500 plus/A600/A1200/A1500/2000/3000/4000

- * Minimum 1Mb memory
- * Minimum 2Mb memory & a Hard Disk to run OCR option.
- * Kickstart, Workbench V1.2 or higher.

PACE MODEMS The No. 1 in Telecoms

The MICROLIN FX.

Everything you need in a Fax Modem.

- * Simple to set up and use
- * Universally compatible
- * 100% accurate data and image transmission

£169.99

The MICROLIN FX 32 PLUS

The high powered performer.
* High Speed Group 3 14400 bps and 9600 bps fax facility transferring an A4 page in seconds.
* V.42 / V.42bis error correction and data compression, a great money saver when you have volumes of data to transmit.

£269.99

Complete with Gift-Ware Telecom Software suitable for all Amigas (Except A500)

Sharp Monitor / TV



£169.99

2 Mb Smartcard

The original and still the only fully PCMCIA compatible memory card for the A600 and A1200. Comes with lifetime guarantee. Beware of cheap imitations. **INDI PRICE £99.99**

4 Mb Smartcard

Same as above but maximum 4Mb.
INDI PRICE £155.99



New Low Price IDE Internal Hard Drives

Indi can now offer top quality 2.5" Internal Hard Drives for the Amiga 600 and 1200 at unbeatable prices. All drives come complete with cable and installation software.

80Mb 2.5" Internal HD's £169.99

120Mb 2.5" Internal HD's £214.99

170Mb 2.5" Internal HD's £249.99

Zappo 601

Trapdoor upgrade for the Amiga 600, 1Mb with RTC.
INDI PRICE £49.99

Zappo 601 NC

As above only 512K, no clock
INDI PRICE £29.99

£70 OFF
Spectacular Voyage
CD32 Pack
No deposit credit terms available



Competition Pro CD32 Control Pad

Competition Pro CD32 control pad. Why not add a second control pad and really compete!

- * Turbo fire and Auto Fire
- * Slow motion selector
- * 8 way Superswitch
- * Control pad for both CD games and audio CD

£14.99

~~£19.99~~

ONCE AGAIN INDI BRING YOU THE BEST DEAL IN TOWN WITH A FULL £54 OFF THE FABULOUS **SPECTACULAR CD32 VOYAGE PACK**. WHY SO GENEROUS? IT'S SIMPLE. THE MORE CD32 WE SELL THE MORE SOFTWARE YOU WILL BUY AND AT INDI PRICES WHO COULD BLAME YOU.

DON'T FORGET!

Amiga CD32 Comes with **2 GREAT GAMES** Microcosm and Chaos Engine and whilst stocks last Oscar, Diggers, Wing Commander and Dangerous Streets

PLUS ... The addictive platform game Lemmings completely **FREE**

AND ... CD32 will play your favourite Music CD's

FMV MODULE
Now In Stock! £189.99

£229.99

~~£299.99~~
Commodore List Price

Amiga CD32 Software Titles

FRONTIER ELITE II	£29.99	£19.99
Microcosm	£44.99	£32.99
Deepcore	£25.99	£16.99
Sensible Soccer	£24.99	£17.99
Labyrinth	£24.99	£19.99
Morph	£28.99	£19.99
Overkill / Lunar	£28.99	£19.99
Pinball Fantasies	£22.99	£21.99
Pirates Gold	£28.99	£19.99
Zool	£28.99	£19.99
Seek and Destroy	£25.99	£16.49
Bubba 'n' Stix	£28.99	£19.99
Nick Faldo Golf	£24.99	£24.99
Liberation	£34.99	£22.99

DON'T DELAY - ORDER TODAY

Pro Graphics Multi Sync Monitor with Stereo Speakers



Indi are proud to announce the arrival of the Pro Graphics Multi Sync Amiga Compatible Colour Monitor. This superb monitor offers a high quality 0.28 dot pitch and low radiation total MPR-II compliance. Complete with external Stereo Speakers and includes all leads - this is the monitor that we have all been waiting for.

External
Speakers
Included

£295.99

Monitor Comparison

	Size	Pitch	Input	Approval	Price
Commodore 1942	14"	0.28	Analog RGB		£349.99
Pro Graphics Multi Sync 14"	14"	0.28	Analog RGB	MPR II	£319.99

plus external Stereo Speakers

Add a pair of our Quality Stereo Speakers to your existing Monitor. Indi Price £16.99

Zappo External Floppy Drive

LOW LOW PRICE



You've seen all the reviews on this popular and affordable second Amiga drive. "Compatible with all Amigas Quality 9 out of 10." Exceptional value for money.

Amiga Computing

£48.99

Amiga 600 with 30 Mb Hard Drive + 12 Months



On Site Warranty

A genuinely unrepeatable deal combining an Amiga 600, 30 Mb Hard Drive and a fantastic range of games and utility software.

Trivial Pursuits - The Classic Quiz
EPIC - Science fiction Adventure
MYTH - Question the judgement of the Gods

ROME - Capture the purple Robes of the Imperial Roman Empire
AD 92 - Role playing adventure

AMIGA TEXT

A powerful word processing package simple to use but high sophisticated you'll be amazed at your professional results

DELUXE PAINT III

Movie quality animations at the press of a key, 3D perspectives and a complete set of paint tools

PRICE CRASH!!

£229.99

TEL: 0543 419 999 FAX: 418 079

Panasonic

UNREPEATABLE!

**Colour
Printer
Deal !!**

DON'T JUST TAKE OUR WORD FOR IT CHECK AROUND!!

OUR BUYERS HAVE DONE IT AGAIN, THE TOP QUALITY **PANASONIC COLOUR PRINTER** AT AN UNREPEATABLE PRICE. THIS IS A ONE OFF DEAL AND CANNOT BE REPEATED SO YOU MUST TELEPHONE TO CONFIRM THAT WE STILL HAVE STOCKS



Panasonic KX - P2123

- Fast Printing Speeds** 192 CPS draft, 64 CPS LQ and 32 SLQ.
- Colour Printing** 7 Colour palette (blue, red, green, yellow, violet, magenta, black)
- Quiet printing** Super quiet 43.5-46 dBA sound level (most matrix printers are typically in excess of 60dBA)
- 7 Resident Fonts** Over 152,000 type styles using Super LQ, Courier, Prestige, Bold PS Roman, Script and San Serif fonts.
- 24 Pin Diamond Shaped Printhead** High performance and high quality output.
- 1 year Warranty** for total peace of mind

With Free Wordworth or Batman Returns / Elite II

FREE -DUSTCOVER
-COLOUR RIBBON
-BLACK RIBBON
-INDI SOFTWARE OPTION

WORDWORTH OR BATMAN RETURNS / ELITE II

~~£209.99~~ **£189.99**
FIRST COME FIRST SERVED

Panasonic KX - P4400

NEW Ultra - Compact LED Page Printer Announcing the Panasonic KX - P 4400 LED Page printer, the printer that fits virtually anywhere. Ultra small foot print (12.7cm X 38.1cm) and under 6.5 kg, this printer travels with you.

- 4 pages per minute of crisp, 300 dpi laser quality output.
- 100 sheet, multi purpose paper tray
- A4, letter, legal and executive
- 28 internal bitmapped fonts
- HP laserjet series IIP
- 1 Mb Ram expandable to 5 Mb
- 1600 copies per toner.
- 1 Year On Site Warranty

~~£587~~ **£469.99**



£759.99

Panasonic KX - P2023



- Quiet printing** 46.5 dBA standard mode. 43.5 dBA super quiet mode
- On screen set up disk** Including printer driver for Windows 3.1
- Fast Printing Speeds** 192 CPS draft, 64 CPS LQ
- 4 Resident Fonts** Courier, Prestige, Bold PS and Script
- 2 Paper Paths** Top and Rear
- 1 year Warranty** for total peace of mind

Recently reviewed by Amiga Format "A fine 24-pin dot matrix printer at a reasonable price. Buy from INDI AND SAVE OVER £72"
Buy this superb printer for just £144.99 AND whilst stocks last we'll send you a voucher for a free auto cut sheetfeeder WORTH A FURTHER £89.

~~£217.00~~ **£144.99**

FREE SHEETFEEDER

Panasonic KX - P5400

Adobe Postscript LED Page printer now available. Specification above plus * 2 Mb Ram standard * Adobe Postscript level 1.7 Adobe Fonts * Optional AppleTalk interface available

Printer Accessories

- Printer Dust Cover** specially tailored quality dust cover for the Panasonic KX-2123 printer **PRICE £8.99**
- Printer Stand** **PRICE £9.99**
- Paper Pack** 100 sheets of quality A4 paper **PRICE £9.99**
- Continuous Paper** 100 sheets 1 part listing paper **PRICE £19.99**
- Parallel Printer Cable** to be used when connecting Amiga to Panasonic printers **PRICE £8.99**
- Panasonic Colour Ribbon** four ribbon for KX-P2123 **PRICE £12.99**
- Panasonic Black Ribbon** black ribbon for KX-P2123 **PRICE £6.99**

Panasonic KX - PI150



This quality 9-pin mono dot matrix printer represents excellent value for money.

- * 9 - pin narrow carriage
- * 7 Fonts
- * 3.5" setup disk + windows 3.1 driver
- * 240CPS, 38 CPS NLQ
- * 1 Year Warranty
- * Paper parking

~~£163~~ **£114.99** **SAVE £48**

KX-P4410 Laser Printing KX-P4430

- * 5 pages per minute
- * 28 resident fonts
- * Optional 2nd input bin (total printer capacity 2x200 sheets)
- * Low running costs
- * Parallel Interface
- * Optional memory expansion to 4.5 Mb (0.5 Mb as standard)
- * HP laserjet II emulation
- * Including Superprint

New Low Prices!
£449.99
SAVE £289

Whilst Stocks Last



- * Satinprint (optimum resolution technology)
- * 5 pages per minute
- * HP laserjet III emulation, PCL 5
- * 8 scalable fonts. 28 bitmaps
- * Optional 2nd input bin (total printer capacity 2x 200 sheets)
- * Optional memory expansion to 5Mb (1Mb as standard)

New Low Prices!
£649.99

WORDWORTH AGA COMPLETELY FREE WITH LASER PRINTERS

Indi Direct Mail Customer Charter

INDI DIRECT MAIL is original and very exciting. Before you buy mail order you must first be confident that you will receive the product you've ordered and that the supplier will still be there in the future, should you need them. Mail order purchase from INDI is a safe and secure decision and here's why. Indi is a wholly owned subsidiary of a public company now in its eleventh year of trading and specialising in the supply of computer products. With a group turnover approaching £30 million per annum, INDI have the resources and the purchasing power to offer you the best deals, deliver them next day nationwide and always be around when you need us.

No Deposit Credit

We are now able to offer Competitive Credit Facilities on all orders over £100 subject to status. Payment can be over 12, 24, 36, 48 or 60 months and can include insurance to cover repayments on the event of sickness or unemployment. Why not ring for a quote. Sameday response.



EXPORT NUMBERS

TEL: (44)543 419999
FAX: (44)543 418079

INDI DIRECT MAIL
1 RINGWAY INDUSTRIAL ESTATE,
EASTERN AVENUE,
LICHFIELD STAFFS. WS13 7SF



PLEASE ENCLOSE £5 FOR SECURICOR DELIVERY

Please send 1).....

2).....

3).....

Price..... + Delivery

I enclose cheque/ PO for £..... or charge my Access / Visa

No..... Expiry...../...../..... Signature.....

Name.....

Address.....

Postcode.....

Daytime Tel.....

TEL: 0543 419 999 FAX: 418 079

CU0694

NEW ZAPPO Smart Stor

Zappo Smart Stor

- * Fully configured
- * Superfast Access
- * 12 Months Warranty



THE NEW ZAPPO SMART STOR

THE NEW ZAPPO SMART STOR PROVIDES GAMES AND DATA PORTABILITY NEVER BEFORE AVAILABLE TO THE AMIGA 600 AND 1200 OWNER. SIMPLY SLIP INTO THE PCMCIA SLOT ON YOUR AMIGA AND YOU HAVE ACCESS TO 20Mb OF SMART STORAGE. WANT TO RUN YOUR STORED GAMES OR DATA ON A FRIENDS AMIGA, NO PROBLEM, SIMPLY UNPLUG THE SMART STOR AND YOU HAVE TOTAL PORTABILITY.

*20 Mb

£139.99

*30 Mb

£169.99

SPECIAL
OFFER

OPAL VISION MAINBOARD

The Opal Vision mainboard includes Opal Paint, Opal Animate, Opal Presents and Opal Hotkey.

**FREE
Montage 24**

THE BEST SELLING "REAL TIME" PROFESSIONAL VIDEO TITLING SOFTWARE.

For a limited period from 10 April until 30 June we will be giving away a **FREE** copy of Montage 24 worth 300 U.S. Dollars. Montage 24 features Real Time font scaling, embossing and shadowing, colour spreads and transparency effects with an effective resolution of 1 nanosecond. Its many image processing capabilities include translucency blending, image compositing and beveled boxes. Now you can enjoy the benefits of the ultimate in high quality 24-bit titling for OpalVision and the Amiga.

Limited Offer

£349.99

includes **FREE**
Montage 24

OPAL VISION VIDEO PROCESSOR



We have received confirmation that the OpalVision VideoProcessor with Roaster Chip and the Opalvision Video Suite samples will be with us within weeks and volume supply will arrive early summer.

Video Processor
Module

£899.99

Video Suite

£899.99

Voucher Price

£659.99

ROMBO AUDIO VISUAL PRODUCTS



Megamix. Low cost, hi spec digital effects cartridge plugs into the printer port of the Amiga. Allows stereo sampling from almost any musical source. **INDI PRICE £27.99**

Take Two. Animation package is a must for computer artists and enthusiasts of all ages. As used in Rolf Harris Cartoon Club. **INDI PRICE £34.99**



Vidi Amiga 12. The ultimate low cost colour digitiser for the Amiga. "the best value full colour digitiser on the market". - Amiga Format. **INDI PRICE £69.99**



Rombo Vidi Amiga 12 (RT)
Based on the best selling Vidi Amiga 12. This all new version offers real time colour capture from any video source. Full AGA chipset support as standard for all A1200/A4000. **INDI PRICE £129.99**

Rombo Vidi Amiga 24 (RT)
For the more serious user, this 24-bit version will again capture from any video source with true photo realistic images! A staggering 16.8 million colours can be utilised with incredible results. Full AGA chipset support. **INDI PRICE £219.99**

AMIGA 4000 / 030

The new Amiga 4000 / 030 feature a EC 68030 processor running at an incredible 25 MHz. The A4000 / 030 has a powerful 2 Mb of 32-bit RAM expandable to 18 Mb using industry standard 32 bit Simms module. In line with the A4000/040 the A4000/030 features the AGA graphics chipset giving you a massive 16.8 million colours.

New Low Price

170 mb
2mb Chip Ram

£929.99

No Deposit Credit Terms Available
Phone for price on Fast Ram

BRILLIANCE

"Brilliant" Graphics Paint Package "In terms of design and sheer specifications Digital Creations really seem to have done everything right. Effectiveness... 99%." I really can't fault the end results" - **CU Amiga Review**
INDI PRICE £99.99 ~~£149.99~~

FINAL WRITER

The most powerful word processor to grace the Amiga... 90% - **CU Amiga**
INDI PRICE £99.99 ~~£129.99~~

FINAL COPY 2

"About as close to being a desktop publisher as a word processor dare go" - **CU Amiga**
INDI PRICE £62.99 ~~£99.99~~

DELUXE HOME OFFICE

Three great programs to make your Amiga a powerful Business tool * Kindwords 3 Word Processing * Maxiplan 4 spreadsheet Database * Info file an incredible file of business utilities allowing you to store and organise addresses, phone numbers and business contacts.
INDI PRICE £49.99 ~~£69.99~~ Amiga 500 / 500+ / 600 +1200

SPECIAL EFFECTS PACKAGES

Morph Plus

You've seen Michael Jackson's video, you've seen the television adverts using the latest techniques in morphing, now you can create the same results but at a fraction of the cost.
INDI PRICE £119.99

Deluxe Paint IV AGA

New enhancements to the software include the ability to paint and animate in 4696 colours in the Amiga Ham mode. New animation features also include metamorphosis allowing you to change one image into another.
INDI PRICE £64.99

Art Department Professional V2.5

The ultimate in image processor. With ADPro you can read, write and convert between most common image file formats with unmatched flexibility.
INDI PRICE £132.99

Real 3D V2

Is a fully featured 3D animation modeling and rendering program.
INDI PRICE £338.99

END OF LINE PRODUCTS

We have a limited quantity of product that we must clear so check out these crazy prices.

Rom Sharer and 1.3 Kickstart Rom

Have you bought an Amiga and can't run your old Amiga 500 1.3 games, here's your Solution.
Amiga 600 / 1500 / 2000 / 3000
INDI PRICE £24.99

Roctec RockKnight

A virus can be very expensive, so why not protect your Amiga A500 / 600 or 1200 with this great Anti-Virus unit. Fits between your floppy drive and Amiga.
INDI PRICE £2.99

Amiga 500 Power Supplies

Very expensive when you can get them, so here's a once only chance to solve a problem at a crazy price.
INDI PRICE £29.99

TEL: 0543 419 999 FAX: 418 07

Frontier Innovations Pack

2 GREAT AMIGA PACKS

ONCE AGAIN **INDI** PROVIDES THE ULTIMATE IN CHOICE AND VALUE WITH 2 GREAT AMIGA 1200 PACKS, EACH WITH THEIR OWN SPECIAL APPEAL AND LOW LOW PRICES.

Frontier Innovations Pack

Comes complete with

- * Amiga 1200
- * Frontier Elite II
- * Batman Returns
- * Wordworth AGA
- * Print Manager
- * Personal Paint V4
- * Day by Day
- * Total Carnage
- * Brian the Lion
- * Zool 2

£329.99

Desktop Dynamite Pack

- * Amiga 1200
- * Wordworth AGA
- * Print Manager
- * Deluxe Paint IV AGA
- * Oscar AGA
- * Dennis The Menace AGA

£319.99

1200 STANDARD FEATURES

- * 68020 Processor
- * PCMCIA Slot
- * 2Mb Chip
- * 3.5" Internal Floppy Drive
- * AA Chipset
- * Built in TV Modulator
- * Alpha numeric Keypad
- * 12 Months at home maintenance.

Hard Drive Options for DTP & Frontier Innovations Pack

80 Mb Hard Drive Pack **£489.99**

120 Mb Hard Drive Pack **£539.99**

170 Mb Hard Drive Pack **£579.99**

12 Months At Home Warranty from ICL

WARNING

Some advertisers are fitting 3.5" drives to the Amiga 1200. The Amiga was never designed to accept 3.5" drives and fitting one totally invalidates the Commodore Warranty. Indi only offer official 2.5" IDE drives officially accepted by Wang, ICL and Commodore.

AMIGA SOFTWARE BONANZA

Ryder Cup Golf	£25.99	£11.99
Body Blows Galactic	£29.99	£19.99
Settlers	£34.99	£22.99
Simon the Sorcerer	£39.99	£22.99
Premier Manager	£25.99	£11.99
Cool Spot	£29.99	£19.99
Burning Rubber	£25.99	£11.99
Skidmarks	£25.99	£11.99
Noddy's Big Adventure (3-7)	£17.49	£15.99
Noddy's Playtime (3-7)	£17.49	£15.99
ADI French (11-12)	£16.99	£15.99
ADI Maths (12-13)	£16.99	£15.99
ADI Junior Read (6-7)	£14.49	£12.99
ADI Junior Count (6-7)	£14.49	£12.99
ADI Maths (13-14)	£16.99	£15.99
ADI English (13-14)	£16.99	£15.99

New Desktop Dynamite / Frontier Innovations Colour Printer Pack with a Professionally fitted Hard Drive Option

The Superb Desktop Dynamite or Frontier Innovations Pack

The Best Selling **Panasonic KX - P2123** PLUS Quiet Colour Printer with **FREE** Dustcover and cable

NEW

Low Low Price

Amiga Challenge Games Pack

International Sports Challenge, Paradroid 90, Cool Croc Twins

£499.99

New Low Price Hard Drive Options

Desktop Dynamite or Frontier Innovations Pack Colour Printer Pack with fitted Hard Drive.

80 Mb Hard Drive Pack **£669.99**

120 Mb Hard Drive Pack **£719.99**

170 Mb Hard Drive Pack **£749.99**

12 Months At Home Warranty from ICL

Amiga 1200 / 030 Desktop Dynamite Professional Pack

"Approx 1.5 times faster than an A4000/030"

This is the ultimate power configuration, if your dream is to own the quickest A1200 ever then take a look at this specification: * Amiga 1200 * 2Mb Chip and 2Mb Fast RAM (Expandable to an Amazing 128 Mb!!) * Microbotics M1230 XA W/50MHZ MMU (Approx 1.5 times faster than an A4000/030!!) * 12 Months at home Warranty * Choice of hard drive capacities * Optional 50 MHZ 68882 FPU Maths Processor.

80 Mb version **£849.99**

120 Mb version **£899.99**

170 Mb version **£929.99**

68882 50 MHZ FPU **£132.54**

Frontier Innovations Pack

add £10

PANASONIC KX - P 2123

Colour Printer plus Wordworth or Batman Returns / Elite II

for **ONLY £179.99**

when purchased with Professional or digitiser Pack

AMIGA 1200 DRIVES FITTED BY ICL

Picked up by ICL direct from your home and returned in 7 working days complete with 12 months "At Home Warranty"

80Mb HARD DRIVE ENHANCEMENT SERVICE **£219.99**

120Mb HARD DRIVE ENHANCEMENT SERVICE **£279.99**

170 Mb HARD DRIVE ENHANCEMENT SERVICE **£319.99**

As a bonus ICL will add a further 12 months At home Warranty to your Amiga 1200*

*Amiga 1200 must be in full working order.

Amiga 1200 / 030 Desktop Dynamite Superfast Digitiser Pack

Get a high performance 4Mb 32 bit RAM expansion board with a 20 MHz Floating point unit to an Amiga 1200 and you have some serious performance potential. Include a Rombo VIDI Amiga 12. The Worlds Best Selling digitiser - and Image Capture, Animation and Image Processing is all within your grasp. Mono Images are captured in real time, colour images in less than a second.

Amiga 1200 Digitiser Pack **80 Mb Pack £739.99**

Amiga 1200 Digitiser Pack **120 Mb Pack £799.99**

Amiga 1200 Digitiser Pack **170 Mb Pack £824.99**

Frontier Innovations Pack add £10

A1200 Microbotics Memory Expansion Boards and Accelerators

If you want your Amiga 1200 to have more memory or to go faster by simply fitting a board into the external trap door! Microbotics have an extensive range of products with the immense benefit of 'Chipup' technology. Most boards have integrated chipsets which do not allow expansion beyond your initial purchase. Microbotics products allow you to add extra memory as your computing skills grow and new software arrives demanding even more memory.

SCOOP PURCHASE

MBX 1200Z - 2 Mb and 4Mb 32 BIT RAM + 20 MHz FPU

The high performance 32 bit RAM expansion board is easily fitted into the trap door of your A1200 giving you an instant increase in performance, allowing you to ray trace or render images, to load large images and animations, to record longer audio samples, or even grab more images all at an amazing speed.



SAVE

£50

£149.99

2 Mb Version

£199.99

4 Mb Version

Memory Expansion Boards

SCOOP PURCHASE

Speed	4Mb	8Mb
30 Mhz	£349.99	£539.99

Accelerator Boards

SCOOP PURCHASE

Speed	4Mb	8Mb
50 Mhz	£439.99	£629.99

No Deposit Credit

Indi are now able to offer

Competitive Credit Facilities

on all orders over **£100** subject to status. Payment can be over **12, 14, 36, 48 or 60 months** and can include insurance to cover repayments on the event of sickness or unemployment.

Why not ring for a quote.

Sameday response.

TEL: 0543 419 999 FAX: 418 079

GET SERIOUS

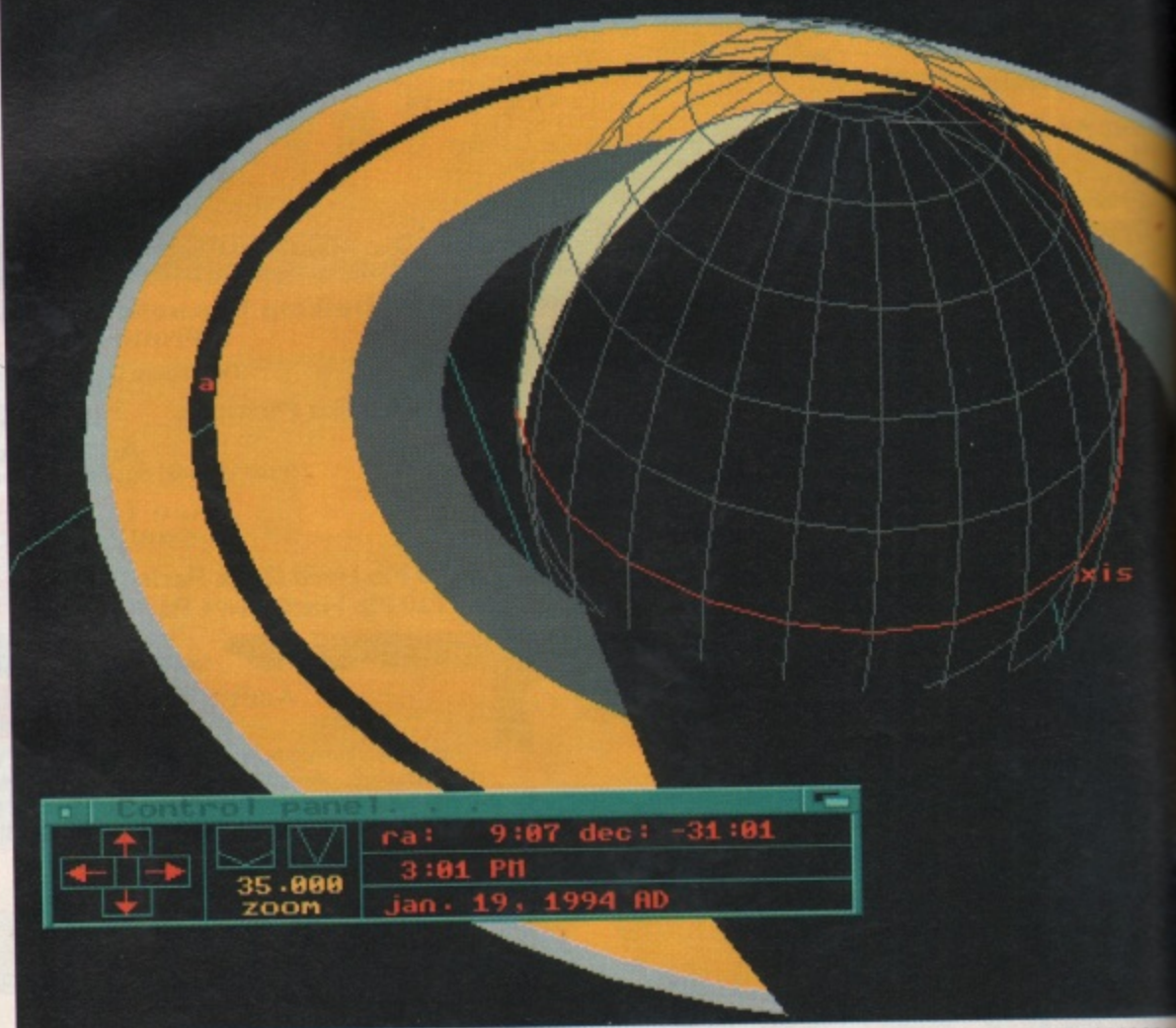
Got those utility blues?
Got that 'must buy, but
can't find the right thing'
feeling? Well look no
further. You have entered
the information zone.

- 98 POWERSCAN PRO**
- DISTANT SUNS 5.0**
- DIR WORKS 2**
- ASSEMBLER GUIDE**
- 100 PAGESTREAM 3**
- 104 IMAGE FX**
- 108 HANNA BARBERA**
- ANIMATION STUDIO**
- 111 FMV CD32 COMPO**
- 112 GP FAX**
- 115 RAM BOARD**
- COMPARISON**
- 118 MICRO VITEC 1438**
- MONITOR**
- 119 SHARP DV-3750H TV**
- 122 PROGRAMMING**
- 130 PD SCENE**
- 134 PD UTILS**
- 142 ART GALLERY**



The CU AMIGA top rated accolade for non-games products scoring over 90%. They will definitely be worth the money and are likely to act as a benchmark for future releases.

```
date : jan. 19, 1994 AD, 3:01 PM
hlong : 331:42 (degs)
hlat : -1:27 (degs)
dist : 9.82 (AU), 9.132e+008 (miles)
field : 35.00 deg.
```



POWERSCAN PROFESSIONAL

400 dpi, 256 Grey scale, hand-held scanner

The Powerscan is a 400dpi, grey scale model scanner, capable of creating 256 grey scale images (on AGA machines) from a scan head capable of recognising 64 grey scales. If you own a pre-AGA Amiga (A500 or A600 for example) you will still be able to use this scanner, but it will only allow the viewing of 16 greyscales.

The Powerscan Professional does a good job on most black and white images and has a good crack at colour pictures too. At 400dpi, the results are, given sufficient time, very impressive.

I say given enough time because there is such a large variety of drawing tools and basic image manipulation controls in the software that accompanies the scanner. For example, features include picture smoothing (takes off the hard edges and remove the dots that so often plague scanned images), darken and lighten, edge outlines and bas-relief effects. These effects are complemented by a selection of drawing tools which allow you to make pixel corrections and changes to your scans. These tools vary from freehand to fill and shape (box, circle etc) drawing. You can also add text and colour if you wish.

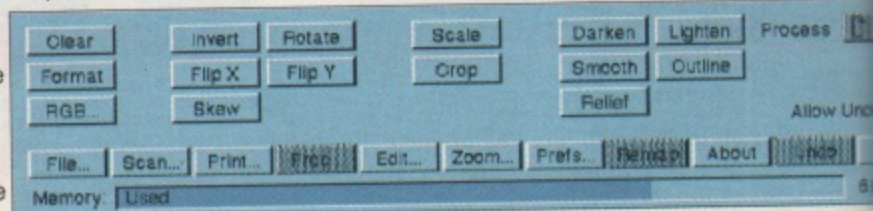
With Power's reputation I expected this scanner to be a good all round product, and in most cases it meets these expectations.

There are, however, a few problems. For instance, the hardware interface box which plugs into the Parallel printer port of the Amiga blocks access to the RS232 serial port. If you use the scanner with a serial printer you have to disconnect the scanner interface before using the printer!

Another problem is the sluggish response times to user interaction from the software (at times, the response to keyboard and mouse activity was so slow I found myself wondering if I'd actually pressed the mouse button! This is most obvious when entering dimensions for the scanning size requester).

Niggles aside the Powerscan Professional is a nice hand-held scanner, which, if given time, can produce some very impressive results.

Power Computing Ltd, 44a/b Stanley Street, Bedford MK41 7RW, Tel: 0234 273000
Price: £119



80%

DISTANT SUNS 5.0

Astronomy Program

Very few humans can comprehend the true enormity of the universe. One who did get close was Douglas Adams, author of the *Hitch Hiker's Guide to the Galaxy*. As Adams put it, "Space is big. Really big... I mean, you may think it's a long way down the road to the pharmacy, but that's just peanuts to space."

Adams' words may seem rather unscientific, but it's these words that introduce Virtual Reality Laboratories' new *Distant Suns 5.0*, a program designed to allow Amiga users to roam the known universe without having to hitch a ride from a passing Vagon spacecruiser.

Distant Suns displays what can best be described as an interactive planetarium on your Amiga. Once you've set the date and the direction in which you'd like to look, *Distant Suns* then displays an accurate representation of the night sky. You can then click on individual stars and planets and read lots of interesting facts about them. It's perfectly possible to recreate famous events in space – the passing of comets and asteroids, the alignment of planets (the so-called 'Jupiter Effect') and so on – simply by adjusting the date.

Most of us probably think of space as a rather dull place where the only interesting thing you're likely to see is the occasional comet. With *Distant Suns*, however, the night skies come alive, revealing more detail than you could shake a lamb at.

With a single click of your mouse button you can view the movement of stars, star 'trails', constellations (including the rather naff 'Canes Venatici' – it's just two stars joined together!) and you can even zoom around the solar system viewing the planets as you go. *Distant Suns'* rendering of the planets is well handled although the planets do look rather 'flat' as they lack any texture. Some form of texture mapping certainly would have made the planets look far more realistic.

Animation is another interesting feature of *Distant Suns*. Instead of simply viewing the skies as a static collection of stars and planets, you can create animated voyages through space by turning on *Distant Suns'* Time Lapse facility and then recording the results into a standard IFF Anim file. You could, for example, view the orbit of Halley's Comet as it passes the inner most planets of the Solar System.

Distant Suns may not be the most immediately satisfying program that you could buy for your Amiga but it's certainly one of the most fascinating. Even if you don't enjoy staring at heavenly bodies for hours (don't worry, I'm not going to crack a tired double entendre about heavenly bodies), *Distant Suns* is one of those programs that totally envelopes you in its subject matter. For budding astronomers everywhere, *Distant Suns 5.0* is a must.

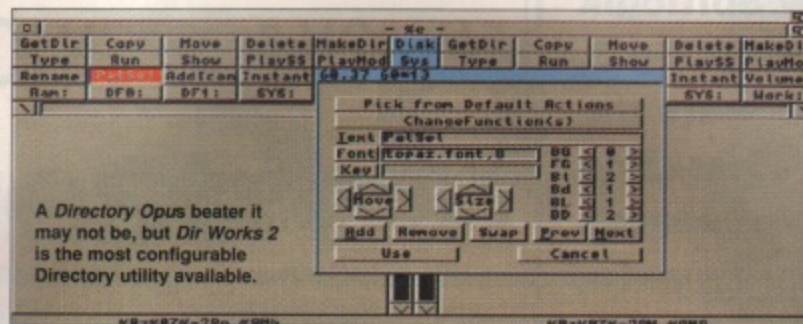
Meridian Software Distribution, East House, East Road Industrial Estate, East Road, London SW19 1AR.

Tel: 081 543 3500. Price: £59.95

38%

DIR WORKS 2

Directory Utility



to grips with the Amiga's disk operating system without having to swot up on the Shell beforehand.

Possibly the most popular Directory utility available for the Amiga is INOVATronics' *Directory Opus 4.0* which can be found running on more Amigas than any other program. A new challenger to Opus' throne is *Dir Works 2.0* which has been expertly written by Chris Hames, the author of the infamous 'PC Task' emulator package. Chris' program looks very similar to just about every other Directory utility available for the Amiga with the usual 'Source' and 'Destination' directory listing windows accompanied by a wide variety of buttons that allow you to perform such disk maintenance tasks as copying and deleting files, formatting disks, playing sound samples and modules, and the list continues.

Nothing special so far. Indeed, so far *Opus* still leaves *Dir Works 2* standing simply because of its elegant design. What makes *Dir Works* somewhat more interesting, however, is the sheer level of configurability that the program offers – what this basically means is that if you don't like any aspect of the program (including the screen design), *Dir Works 2* allows you to change it. Indeed, you can even create a whole new user interface from scratch. What's more, the final result doesn't even have to be a Directory utility – Hames himself includes a demo user interface that gives full Workbench control over GVP's G-Lock genlock!

Rating a product like *Dir Works 2* is surprisingly difficult. On the one hand it fails to even come close to the one product that it is aimed at (*Dir Opus*) but on the other hand it offers such a high level of control and flexibility that calling it a Directory utility just isn't doing the program justice. If you want a Directory utility then buy *Dir Opus 4.0* but if you want a program that will allow you to create Workbench front ends for any ARexx-compatible programs or AmigaDOS commands, then *Dir Works 2* is worth checking out. Perhaps the publishers should consider a change in direction for the product?

Meridian Software Distribution Ltd, East House, London SW19 1AR. Tel:081 543 3500.

Price: £TBA

78%

AMIGA ASSEMBLER INSIDER GUIDE

Book

Following on from its successful A1200 and A600 *Insider Guides*, Bruce Smith Books have launched the *Amiga Assembler Insider Guide*. Written by Paul Overaa, the prolific author of a number of BSB's famous *Mastering Amiga...* books, *Amiga Assembler* is a compact and easy to follow guide to programming your Amiga in its native language, 68000 assembler.

The book starts with a leisurely stroll through the basic architecture of the Amiga's processor, its various components and how these relate to assembly language programming. Paul then moves onto the more practical subject of addressing modes, data and address registers and he even finds time to introduce a few basic assembly language instructions. Before you know it, you're ready to go head first into OS library calls and 'LVO' values. Personally though, I would have thought that it would have made more sense to have built a solid understanding of the 68000 instruction set before moving on to such an advanced subject!

The flow of the book's content is broken up still further when the book seems to take more than just a couple steps backwards by looking at how to operate the PD assemblers A68k, Blink and HiSoft's DevPac. Surely this should have been at the start of the book near the chapter introducing assemblers?

The book then moves onto more code-intensive subjects including macros, programming under Intuition and a brief overview of the Amiga's graphics functions. Documenting such a complex subject as the Amiga's operating system would obviously need a much larger book but I still can't help thinking that perhaps the author presumes too much prior knowledge from the reader. Indeed, you really need the Amiga ROM Kernel manuals to be able to follow many of the examples scattered throughout the book.

Covering the OS routines is all very well but you can't expect the reader to automatically know the parameter formats of every OS routine! In fairness, however, Paul does try his best to document many of the routines that he discusses. I still feel, however, that it would have been a much better bet to have built a more solid understanding of the language itself before getting too bogged down in OS coding.

The *Amiga Assembler Insider Guide* is a brave attempt to introduce assembler language programming to the layman but unfortunately it fails to hit the mark as the language used may still be too technical for most beginners to understand clearly.

Bruce Smith Books, PO Box 382, St Albans, Herts AL2 3JD. Tel 0923 894355.

Price:£14.95

60%



PageStream is one of the top DTP applications on the Amiga. Now Softlogik have announced version 3, claiming that it beats the legendary *QuarkXpress* on the Mac, and leaves *Professional Page* for dead! Andy Leaning takes a privileged first look to see some of the new features it will offer.



PageStream 3

EXCLUSIVE PREVIEW

PageStream has always been one of the muscle men of Amiga DTP heavyweights. Yet, no matter how many steroids Softlogik pumped into it *PageStream* never developed enough muscles to become the Arnold Schwarzenegger of Amiga DTP software. Now, however, with the imminent release of version 3, *PageStream* may be ready to kick sand all over the competition.

PageStream has changed considerably from its original design. When first released on the Amiga, it was more or less a straight conversion from the Atari ST implementation. Over the years, however, Softlogik have adapted it to look and behave more like a proper Amiga application.

Below: paragraph formatting has undergone some subtle but significant improvements.

ALL-IN-ONE AND ONE-IN-ALL

At £299, *PageStream 3* may, at first, seem expensive, but before putting your credit card back in your wallet and going home consider what you will get for your money. *PageStream 3*, the package, is far more than just a DTP program.

In addition to the page layout program, you also get a bitmap graphics editor, BME, for creating and editing pictures, a text editor called *PageLiner* and a whopping collection of over 50 fonts. Although £299 may seem high, you will get everything you need to create documents with and as such it has to be good value. And, of course, existing users will have an upgrade path, which will allow you to upgrade for less depending upon which version of *PageStream* you have.

NEW LOOK

On loading *PageStream 3*, it's obvious that the new version is more than just an update to keep up with developments in Workbench refinements, indeed Softlogik claim the program was completely

rewritten for the new version. Although the familiar menu, window and drawing tool pallet remain, the new incarnation has a completely new command tool bar, a feature that's becoming increasingly common on Amiga applications. Many of the most popular commands are available as buttons, providing access to options such as Undo, Redo, Cut, Copy, Paste, Change Page, Magnify, Open, Save and Print. The

Paragraph Format

Indents		Paragraph spacing	
Left indent	0"	Before	0% Relative (%)
First line	0"	After	0% Relative (%)
Right indent	0"	Alignment Justified	
Paragraph type Drop cap		Widow & Orphan	
Font Antique Olive Bold		Keep together Lines	
Characters	1	Lines	5
Start		3	End
Ok		Apply	
		Cancel	



PageStream before and after. PageStream 2 verses PageStream 3. Notice the new tool bars and edit pallets.

drawing tool pallet (called the toolbox) can also now be customised, changed to lie either vertically or horizontally and can be displayed in two different sizes (like Wordworth 3).

The Edit pallet provides information on objects, text etc such as the position, width, height, and rotation angles of objects. You can edit all the settings via the pallet (rather than working your way through menus), which can be automatically increased and decreased via 'nudge' arrows. Anyone who has used QuarkXpress will recognise the power and speed that this window will bring to PageStream and it is, in my humble

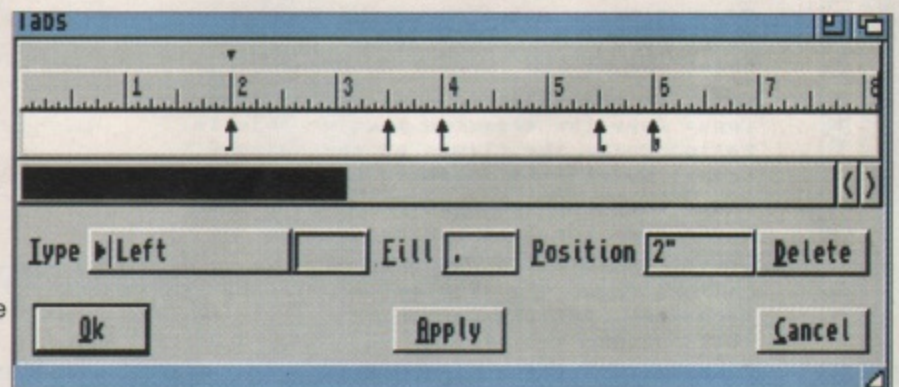
opinion, perhaps the single greatest improvement to PageStream, as it allows experienced users to edit and change their documents far faster than previously possible.

A4000 or A1200 owners will now be able to see pictures in full colour. Although a major upgrade to PageStream, this facility has been available on ProPage for some time, and isn't really that significant, although it's still a welcome improvement.

PRODUCTION

If you use a DTP program for serious work you'll probably miss some of the advanced document handling facilities found in QuarkXpress on the Mac and PC. For example, the problem of not knowing what files, fonts and graphics are used in a document. A classic instance would be going back to edit an advert or flyer sometime after it was originally created, only to find that when printed the pictures are missing, or you haven't got the correct fonts installed. Previously, the only way around this predicament in PageStream was to wade through the document looking at every font and picture, to reinstall them. This got more difficult as the number of fonts and images increased.

Quark users have long had the benefit of simply being able to call up a list of the fonts and pictures used in a document, but there's never been a similar facility in any Amiga DTP package. Until now, that is. PageStream has requesters telling you exactly what fonts, pictures, and articles are used in



Tab stops can now be set very easily precisely where you want them, you can also choose to fill the tab spaces with a character of your choice.

a document and where they are! Even better for frequently-used files, the program keeps individual revision numbers so you can be sure that the file you are editing is the most recent.

The applications' tools for long documents has also been dramatically overhauled. Now, not only are there tools for formatting the contents of documents over one page (chapter/subchapters, chapter numbering, automatic indexing and table of contents) but also a massive number of structural layout editing facilities which can be used to manipulate the location of pages, double page spreads and master pages.

To long-time PageStream users many of these will seem like a wishlist come true. You can, for instance, now change the objects on a master page for each individual page without effecting others, and join two single pages into a double page spread.

Softlogik have, at long last, followed the rest of the DTP industry and adopted Pantone colours. The Pantone system is a means of

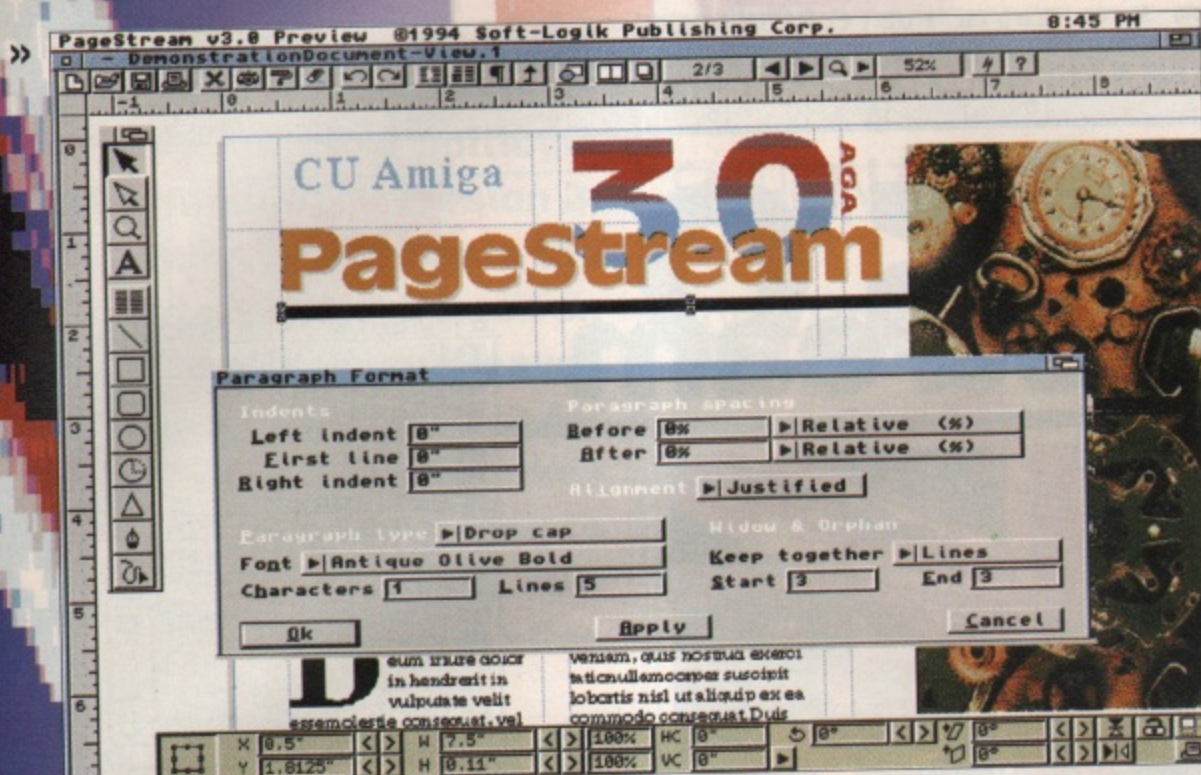
LET'S COMMUNICATE

PageStream has always had the potential to be better at communicating with other programs than almost any other Amiga application. Softlogik were one of the first Amiga developers to use modules for importing and exporting files to other programs whilst the Hotlinks system allowed PageStream to automatically update files in a document as they were changed in other applications.

With release 3, however, Softlogik have gone even further. Amiga lovers will swoon when they find that at long last an AREXX port has been provided, better yet, it's a full command set.

It's been a long time coming, but worth the wait! The import modules have also been enhanced, with the ability to read text (with the style and attributes intact) from Final Copy, Final Writer, Word Worth, and ProWrite to name just a few. Perhaps the most dramatic new facility however is the ability to import ProPage files, the manual also documents the different concepts between the two programs and also provides on-line help for ProPage users!

Assuming all these features make it into the final version, PageStream could well become the AdPro of the text and DTP market – the ultimate in file converters.



Left: PageStream 3 in all its glory. Note the drop cap reference in the paragraph format requester.

specifying a colour via reference numbers that denote how the colour is made up from Cyan, Magenta, Yellow and Black components. Using these numbers you will be able to generate exactly the same colour no matter what system you create, output and print your documents on. Pantone is a true industry standard for colour repro and its inclusion in *PageStream* is well overdue, but very welcome.

Along with the new look and improved production aids, the programmers have also incorporated a number of new graphics tools and page creation aids. Sadly, there are far too many new drawing and object handling abilities in the program to do them all justice in the small space available here, however, as a taster: objects can now be placed across page spreads, graduated colour fills are now available, variable shaped text frames (rather than just square/rectangle) can be created and edited, objects can be anchored to text, drop cap creation and automatic scrolling pages as you drag objects near the window edge.

LOGIKAL UPGRADE

I've known Softlogik for a great many years, being one of the very first people in the UK to see the original versions of *PageStream* almost five years ago. Back then it was called Publishing Partner Master and was released on the Atari ST.

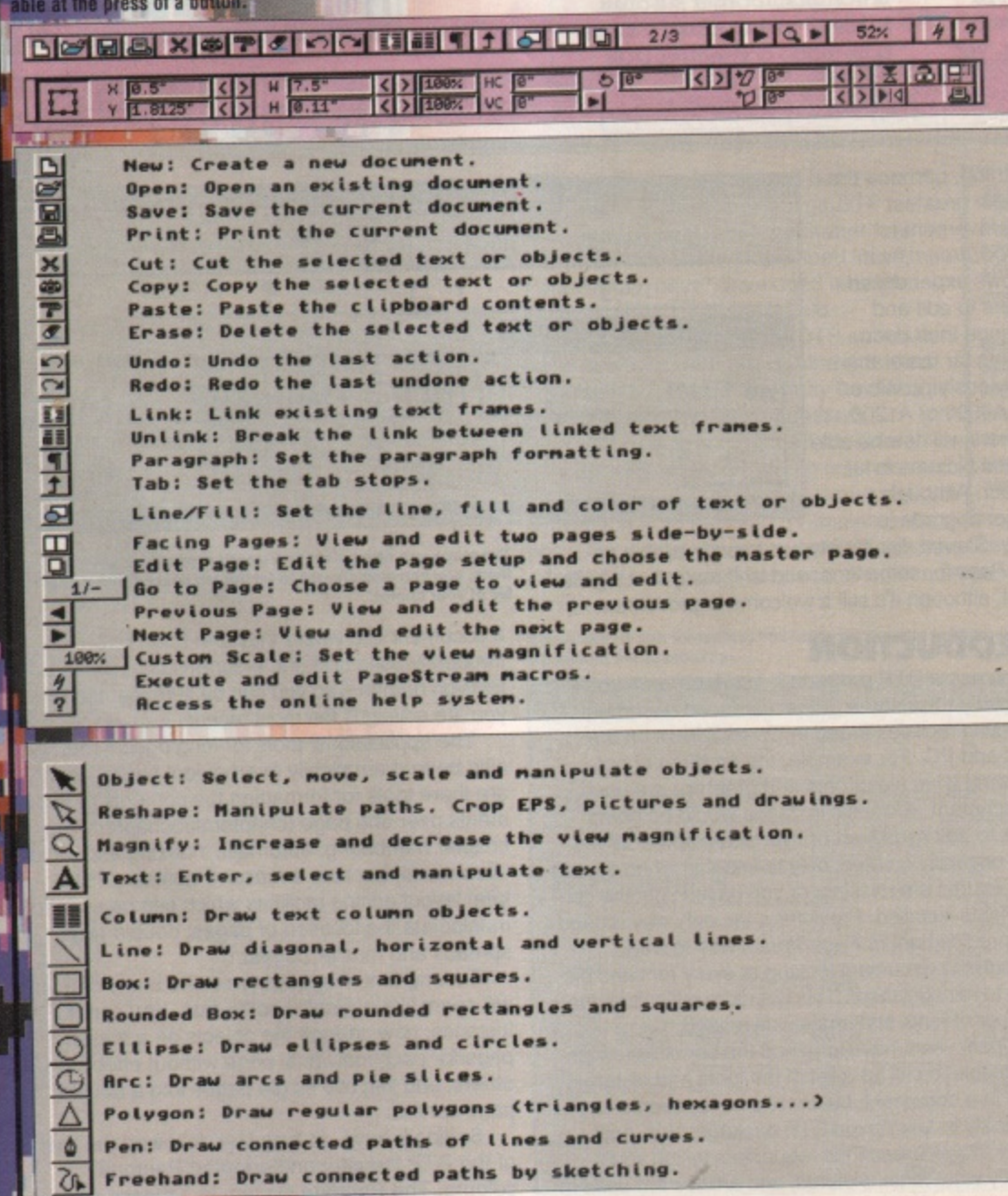
When Softlogik originally released *PageStream* it was nice to look at, but get in close and you'd up getting frustrated with some of the features.

PageStream has now grown up. Providing Softlogik releases *PageStream* 3 in a bug-free state they've got a winner, and one which will take GoldDisk a long time to catch up with, if at all.

Contact: Meridian Software Distribution Ltd,
Tel: 081 543 3500. **CU**

WHAT'S ON THE TOOLBAR

PageStream's new Toolbar in action. This new addition to *PageStream*'s armoury makes the Softlogik program a joy to use and increases the speed of operations as many of the most-frequently used Menu commands are now instantly available at the press of a button.



NEW FEATURES IN BRIEF

Typography/Text Handling

- Automatic drop caps
- Automatic bulleted paragraphs
- List fonts in a document
- Variable shaped text frames
- Hanging Punctuation
- Baseline grid

Word Processing

- List articles in a document
- Dot leaders (for tabs)
- Smart quotes & Dashes
- Show/Hide invisible characters

Graphics

- Contrast Control
- Irregular picture cropping
- Display pictures in colour (AA support)
- List all pictures in a document
- Split drawing into paths/shapes
- Extend objects across page spreads
- Colour gradient fills
- Fill line strokes with a fill style
- Merge and split drawing paths

Interface

- Toolbar for common menu commands
- Edit pallet for object coordinates etc
- Drag page to scroll
- Auto scroll
- ARexx Support

Layout Aids

- User defined grid colour and grid strength
- Adjustable ruler offset and zero point
- Mix measurement in system fields

Long document handling

- Chapter numbering
- Automatic indexing
- Anchor objects to text
- Continued from/to numbers
- Chapters and subchapters

Colour & Printing

- Pantone colours
- Trapping
- Plate control
- Suppress printout of selected items
- Print empty pages option

File Management

- Revision numbers
- Job numbers
- Auto-save

AMIGA/PC UTILITIES

PC TASK	£39.95
Allows an Amiga to emulate a VGA/EGA PC, read & write MS Dos files	

BOOKS

Bruce Smith Books

Amiga Beginner's Pack	£38.95
(Includes 1x A1200 Insider Guide, 1x A1200 Insider Guide: Next Steps, and Tutorial Amiga Video)	
A1200 Insider Guide	£13.95
A1200 Insider Guide: Next Steps	£13.95
Assembler Insider Guide	£14.95
Amiga Disks and Drives - Insider Guide	£13.95
A-Z of Workbench	£14.95
Mastering Amiga-Amos	£18.95
Mastering Amiga Arexx	£18.95
Mastering Amiga Beginners	£18.95
Mastering Amiga Printers	£18.95
Mastering Amiga System	£28.95
Mastering Amiga Workbench 2	£18.95
Mastering AmigaDOS 3.0 Reference	£20.95
Mastering AmigaDOS 3.0 Tutorial	£20.95
Mastering AmigaDOS 2 Volume 1	£20.95
Mastering AmigaDOS 2 Volume 2	£18.95

DISK UTILITIES

Disk Expander Compresses your hard drive	£29.95
X-Copy Professional Hardware-software latest version	£24.99
Directory Opus	£49.95
Disk utils - show pictures, play music, hex read files, backup, search	
DirWork 2 (NEW)	£49.95
Gigamem	£47.50
Quarterback Tools Deluxe Advanced disk doctor	£59.95
Quarterback v6 Back-up and archival system	£59.95
Video Back-up System Phono	£54.95
Video Back-up System Scart	£54.95
Backs up your floppies and hard drives onto VHS video tapes	
UPGRADE TO Q-BACK V6 FOR £29.99	
Buy Quarterback and Quarterback Tools Deluxe for only £99.00	

DATABASE

Sbase Personal 4	£99.95
Forms Designer and fully relational database	
Sbase Pro 4 v1.3	£199.95
Fully relational database with Database Management Language	

DATABASE APPLICATIONS

GB Route Plus Plan your route anywhere in the UK	£31.95
Mailshot Plus	£35.95
Music Librarian	£15.95
Plants For All Seasons	£15.95

DRIVERS

Stand alone device drivers with hotlinks to ASDG's Art Dept. Professional	
Epson GT6500 Scanner Software	£99.95
Sharp JX100 Driver	£99.95
Sharp JX300 Driver	£359.00
Abekas Driver	£119.95
Lasergraphics LFR Driver	£119.95

EDUCATIONAL NEW LOWER PRICES

ADI English GCSE (NEW)	£24.99
ADI French GCSE (NEW)	£24.99
ADI Maths GCSE (NEW)	£24.99
ADI English age 11-12	
ADI English age 12-13	£16.50
ADI French age 11-12	£16.50
ADI French age 12-13	£16.50
ADI Jnr Counting age 4/5	£14.99
ADI Jnr Counting age 6/7	£14.99
ADI Jnr Reading age 4/5	£14.99
ADI Jnr Reading age 6/7	£14.99
ADI Maths age 11-12	£16.50
ADI Maths age 12-13	£16.50
Fun School Special: Merlin Math	£16.99
Fun School Special: Paint/Create	£16.99
Fun School Special: Spelling Fair	£16.99
Kid Pix Paint package for kids	£19.99
Answerback Fact 500 Math	£15.32
Answerback Fact 500 Spelling	£15.32
Answerback Junior	£15.32
Answerback Senior (age 12+)	£15.32
French Mistress	£15.32
German Master	£15.32
Italian Tutor	£15.32
Maths Adventure	£20.99
Spanish Tutor	£15.32
Mega Maths (A Level)	£18.50
Micro English (to GCSE)	£18.50
Micro French (to GCSE)	£18.50
Micro German (to GCSE)	£18.50
Micro Maths (to GCSE)	£18.50
Micro Spanish (to GCSE)	£18.50
Micro Science (to GCSE)	£21.99
Primary Maths (age 3-12)	£19.50
Reading / Writing (3+)	£19.50
Noddy's Playtime (age 3-7)	£24.99
Noddy's Big Adventure (age 3-7)	£24.99
Distant Suns v5.0 Astronomy (NEW)	£39.95

EMERALD CREATIVE TECHNOLOGY

RAPID HOUSE, 54 WANDLE BANK
LONDON SW19 1DW

TEL: 081 715-8866
FAX: 081 715-8877

FINANCE MANAGEMENT

Arena Accounts Full accounts package for the Amiga	£82.95
Cashbook Combo	£59.99
Day By Day Diary and personal organiser	£24.99
Home Accounts 3 (Money Matters)	£39.99
Personal Finance Manager Plus	£29.95
Keep track of your cash	
System 3 Modules for cashflow, sales ledger, stock control	£44.99
System 3E	£49.99

IMAGE PROCESSING

Clarissa (NEW) Super smooth animation generator	£69.95
Art Expressions	£145.00
Real 3D Classic Cost effective 3D rendering, ray tracing	£69.95
Real 3D V2.4 (new version)	£359.95
Ultra-powerful professional quality 3D rendering	
Caligari 24 PAL	£94.95
Caligari Broadcast v3.1	£349.99
Alternative Textures 3D vol 1	£35.99
Add different textures and "feels" to Real 3D and Imagine	
Alternative Textures 3D vol 2	£35.99
Pegger (NEW) JPEG loader and saver	£79.95

Art Department Professional v2.5 (new version)	£145.00
MultiFrame for AdPro (NEW)	£79.99
Art Dept Pro Conversion Kit (NEW)	£59.99
Load and save different file formats in Art Department Professional	
Doug's Pro Control	£50.95
Batch processing front end for AD Pro and Morph Plus	
Morph Plus Twist, distort, morph and warp images	£139.00
Pixel 3D Pro	£79.95
Create 3D images from scratch, or from 2D pictures.	
Video Director Video Editing	£115.95
Professional Draw v3.0	£67.95
X-CAD 2000	£89.95
X-CAD 3000	£299.95

ASK ABOUT UPGRADING YOUR ART DEPARTMENT

INTEGRATED PACKAGES

Mini Office	£37.95
WP, spread sheet and database all in one	

MUSIC SOFTWARE

Bars&Pipes Professional v2.5 (NEW VERSION)	£199.95
The most powerful sequencer you could ever wish for.	
Bars&Pipes Pro Upgrade v2-2.5	£69.95
Creativity Kit	£29.99
Internal Sounds	£29.99
Multimedia Kit	£29.99
MusicBox A	£29.99
MusicBox B	£29.99
Performance Tools Kit	£35.99
Power Tools Kit	£35.99
Pro Studio Kit	£32.95
Rules for Tools	£29.99
One-Stop Music Shop	£499.99
The stunning EMU Proteus DSP on a card, over 4 Meg of wavetables & samples on ROM	
PatchMeister	£79.95
Patch librarian for MIDI, drivers for many sound modules and handles Sysx dumps	
SuperJAM! v1.1+The easy way to make music!	£74.95
SyncPro Synchronise midi with multimedia	£151.96
Triple Play Plus	£159.95
With this 3-out MIDI interface, have up to 48 channel MIDI compositions	
Clarity 16 16 bit sampler with software	£109.95
Pro MIDI Interface The price/performance midi interface	£24.95
Stereo Master 8 bit sound sampler	£29.95
MegaMix MasterSound sampling and digital effects	£29.95
Megalosound	£29.95
Deluxe Music Construction Kit v2	£69.95
Miracle Piano	£259.95
Learn to read and play music then write patterns to your sequencer with this full size MIDI keyboard and software	
Technosound Turbo 1	£24.95
Technosound Turbo 2 Sample direct to hard disk	£29.95

PAINT, DRAWING & FX

Adorage v2 (NEW) Effects generation tool	£69.95
Art Expressions Drawing	£135.00
Brilliance A fantastic 32 bit paint package	£139.95
Deluxe Paint 4.5 AGA	£59.95
Deluxe Paint 4.1 Std. Non AGA	£59.95
Personal Paint v4.0	£40.00
Professional Draw v3.0	£99.95
TV Paint 2 (NEW)	£245.00

SOFTWARE DEVELOPMENT

Cygnus Ed Professional v3.5	£69.95
Amos Professional	£34.95
Amos Professional Compiler	£24.95
Power Basic	£49.95
DevPac 3	£51.95
SAS C Ver 6.5+ (new)	£249.00
Pascal	£79.95
CanDo V2.5	£89.95
Blitz Basic v2	£49.00

VIDEO HARDWARE

Editmate	£179.95
Control video from Amiga, add sound via the mixing board. Cables and s/w	
Power Grey Scale Scanner v3.0	£124.95
Colour Power Scanner	£249.95
Video Master AGA + Colourmaster	£145.95
Epson GT6500 Colour Scanner	£759.00
High quality, A4, flatbed colour scanner. Includes ASDG scanner S/W	
Video Back-up System Phono	£54.95
Video Back-up System Scart	£54.95
Backs up your floppies and hard drives onto VHS video tapes	
Rendale 8802 FMC Genlock	£159.95
Vidi Amiga 12	£74.95
Grabs full colour images from a video source in under one second	
Vidi 12 Real Time Real time 12 bit frame grabber	£139.00
Vidi 24 Real Time Real time 24 bit frame grabber	£233.00

VIDEO TITLING

Big Alternative Scroller	£39.95
Big Alternative Scroller 2	£59.99
Broadcast Titrer 2 Super Hi Res	£179.99
Font Enhancer & Font Pack vol 1+2 for BT2	£89.99
Helm (NEW)	£79.95
Montage 24 24 bit AGA Titling	£279.99
Scala Echo EE100 For use with Scala MM300	£140.00
Scala MultiMedia MM210	£149.95
Scala MM300	£325.95
Media Point v3 (NEW)	£269.00

VIRTUAL REALITY

Distant Suns v5.0 Astronomy (NEW)	£39.95
Scenery Animator v4	£49.95
Vista Pro v3.0 Create textured 3D landscapes	£48.95
Vista Lite (only 2mb needed) (new)	£39.00
Makepath for Vista Animate a path thru your landscape	£24.95
Terraform for Vista	£24.95
Vista Scapemaker 3.0	£59.95

WORD PROCESSING and DESKTOP PUBLISHING

PenPal UK	£29.00
Personal Write	£19.95
Wordworth 3.0 AGA	£99.00
Professional Page v4.1	£109.99
Pro Page v4.1 + Pro Draw v3	£150.00
Pagesetter v3	£39.99
Pagestream v3.0	£249.95
TypeSmith 2 Font designer	£118.95
Final Writer UK	£99.99
Final Copy II UK	£64.00
Turboprint Professional	£34.99
Personal Font Maker	£40.00
Protext V6 (NEW)	£94.95

HOW TO ORDER and PAY

Cheque made payable to "Emerald Creative". Allow at least 7 working days for cheques to clear.
Credit Card. Visa, Mastercard, Delta. We will bill your card when we process your order and ship the product, not before.
Pricing: All pricing includes VAT, but not carriage. We reserve the right to change prices. You will be informed of any price change before your order is accepted.
Post and Packaging charges within the UK are £2.50. Registered post is an extra £0.55 Next day courier is £4.95 inc VAT within the UK Mainland. Please ask for Overseas pricing.
Problems: Faulty product will be GLADLY replaced or repaired within 30 days of purchase. Phone us and we will tell you what to do. Will refund if we can't repair your faulty product. Keep your Invoice. E&OE



ImageFX is one of the most powerful image manipulation programs on the Amiga, and is a contender for the crown of graphics applications. Andy Leaning has an audience with a possible future monarch and tries out the new version.

The *ImageFX* composition tool allows two images to be combined to produce impressive results.



IMAGEFX

ImageFX is one of the premier graphics and image processing programs on the Amiga. In fact, there is very little it won't do. Now GVP, its publishers, have released a new version which upgrades many of its features.

When originally released, *ImageFX* took the Amiga market by surprise. GVP are a company better known for hardware, in fact, with the exception of the software supplied with their hardware products, they had never previously released a software title!

Then suddenly GVP introduced not just one but two applications, *ImageFX* and *CineMorph*. Sadly *CineMorph*, GVP's attempt at video special effects, although popular, was never destined to be one of the big sellers of Amiga software. *ImageFX*, however, was quite the opposite and quickly became the mainstay for graphically-orientated users.

Now their do-all program has been upgraded, and from the look of the packaging alone *ImageFX*

1.5 has all the hall-marks of a major league application. It's all there; huge box, thick manual, and loads of disks (four of them in all). Starting couldn't be easier. All you do is pop in the first disk with the install program. This is a standard Commodore installer which takes you through the various options and away you go.

CHOC A BLOCK

Once it is set up and running, the size and scale of *ImageFX* is amazing. Not only does it have most of *DPaint*'s drawing and painting tools, this program also has a huge selection of image composition, manipulation and processing functions, the like of which only *ImageMaster* could only hope to compete with.

Budding artists will welcome the support for numerous types of hardware such as graphics cards, scanners, and frame grabbers. This wide selection of hardware input devices ensures that

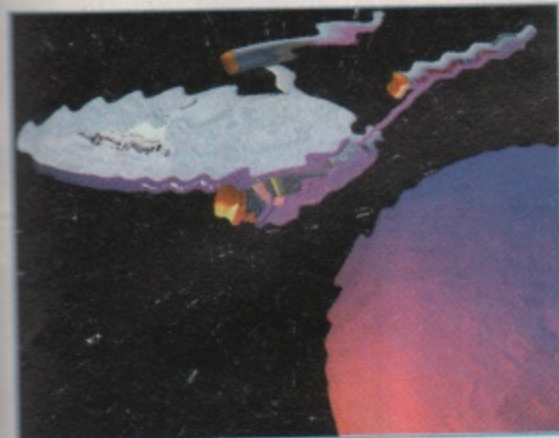
DO YOU GET MORPH FOR YOUR MONEY?

Cinemorph is GVP's other attempt at stand alone software. It is a software application that lets you create animations where one image is magically converted to another. Similar effects have been seen in films such as *Terminator II* and far too many car adverts.

Why am I twittering on about *CineMorph* in a review of *ImageFX*. Simple, *CineMorph* is included in the price, and not only has *ImageFX* been upgraded, but so has the special effects program.

The new version of *Cinemorph* doesn't include any major league new features, but has been tweaked internally to take advantage of the AGA chipset and *Workbench 3.0*, and also make response times faster – particularly mid-operation cancels.

Whether these improvements will see their way into the standalone is anyone's guess. *Cinemorph* was undecided at the time of this article going to press.



Main pic on page 104, above and below are all examples of some of the various effects possible with ImageFX.

SAVE TO BE LOADED

Just like *AdPro ImageFX* is modular, allowing you to add 'loaders' and 'savers' as you wish. Loaders and savers allow the program to read file formats other than its own, letting you process and edit artwork created in 'foreign' applications. You could, for example, create a picture in say, *Windows Paint*, then load it, make some changes in *ImageFX* and finally save it in *Mac Paint* format ready for further editing on the Mac. Unlike *AdPro* however you get a great many loader and saver modules with the program, you don't need to buy them at a later date. With the program, there are some 30 different loader/saver modules supplied, these include the common (.GIF, JPEG, PCX, TIFF, ANIM, IFF including 24-bit, DCTV, Retina, HAM-E) and the not so common (Alias, DRIE .BMP, Flick, .ICO, Impulse, .info, PPM and PGM, Sculpt, Rendition, Targa, IFF FAXX).

There are also plans to release further loaders shortly, and several PD software developers are already looking into writing some more loader and saver modules.

you should have no problem getting raw picture material into *ImageFX* for further processing. And if you already have your desired artwork in a computer file, the program will allow you to convert these and save them back out thanks to its ability to load and save over 20 different file formats.

ALL TOOLED UP

Other tools include pens, draw (more of this later), airbrush, smudge and finger-paint, freehand draw, line and arc, rectangle, ellipse, polygon and, last of all, flood fill. The draw modes have been updated to enable you to copy pixels from another area. This facility, *Pantograph*, allows you to copy patterns from one area of a picture to another whilst drawing and painting. You can, for instance, paint in third eye on a face, and because you are drawing with pixels picked up from the original eye you can get far better results than a straight block copy operation would provide – wonderful!

There is a facility very similar to *Pantograph* in *Photoshop* on the Mac and PC, and its provision in *ImageFX* is very welcome. It gets better. In addition to these drawing and painting tools you can

SHELL SHOCK!

In addition to controlling *ImageFX* with the mouse, you can also summon up a dedicated *ImageFX* command shell. This allows you to access most functions in the program via its own text command sequence.

You may ask why such a feature has been incorporated into the program, and the answer is one which is bound to cause endless arguments. For experienced users the ability to type in commands will provide a faster method of operating than the normal mouse/gadget combination. No you probably don't believe it, neither did I in the past, but consider this: in the time it takes you to move the mouse to a gadget, click on it, move through several requesters and then finally select the desired gadget, fast typists could have tapped a few keys and achieved the same thing. And for straight file conversions etc, this is all that's needed – so it does work out quicker!

also 'feather' the edges of any new drawing. Edge feathering takes the edge of the new drawing and blends it into the background image. The blend lasts for a specified number of pixels from the edge, either away from and into the new drawing area. Using this facility you can mix new elements into an existing picture without any of the rough edges that normally occur.

FABULOUS FEATURES

Alongside the actual drawing and editing facilities are a whole bunch of other tools which I lump together under the title of image composition and manipulation functions. Facilities include making changes to the colour space of a picture ie changing the colour components, and a vast number of other snappily-named effects including Motion Blur, Sharpen and Unsharpen Masks, Dynamic Range, Wave Distort, Oil Transfer, Implode, Explode, Black Hole and Spiral to name just a few.

The composition functions are both powerful and flexible. Composition is the process of taking one image and combining it with all or part of another image and forms the basis for a large number of artistic effects. *ImageFX* provides a great many different ways of combining two images. The main image is held on screen, whilst the composition picture is held in a buffer. Once the two sources have been set up you can then apply a merge, matt, addition, subtraction or Image Map composition to combine them.

Merge combines two images using a given percentage of both to make up the final. Matt will replace any colour in the master picture with the contents of the buffer and you can specify both the colour and how close to it other colours should be before they are replaced with the buffer image data. Add and Subtract will add or subtract the value of the buffers to the pixels of the main buffer, this makes bright pixels brighter and dark pixels darker. The Image Map paints the hue and saturation of individual pixels in the main buffer with those of the swop buffer without touching the contours and textures of the main buffer.

All these functions, and indeed all other operations in *ImageFX*, are yours at the touch of a button. Different choices are selected through an Amiga GadTools cycle. GadTools are a way of allowing you to select one of many different options, but only showing one at a time, each time you click on the button the next option in the list appears.

The cycle GadTools has been changed slightly from normal *AmigaDos 2* versions, in that you can now move forwards and backwards through the cycle list. These buttons in the cycle list are selected from an oblong tool bar which lies across the bottom of the screen, from this tool bar every feature of the program is controlled – there are no menus in *ImageFX*.

PROBLEMS

GVP, have on the whole, got it right. There are, however, a couple of areas that could be improved. Text handling could be easily enhanced, a requester asking for text is not particularly outstanding. But, what really lets the program down, is the fact that you can only enter one line of text at a time. Some of the requesters are not overly intuitive or helpful either. Another annoying oddity is the inability to specify a magnification level – yes you can magnify up and down on an image but you can't set a percentage.

CONCLUSION

ImageFX 1.5 is a diamond of a program. It shines in practically every respect, making other applications look like cheap gemstones by comparison. But unlike the average Diamond, it isn't expensive, in fact, it's exceptional value for money given the price of similarly capable applications on Macs and PCs. All that remains is for GVP to file off some of the rough edges and *ImageFX* will become the crown jewel of Amiga graphics programs.

Owners of previous 1.5 should get the new version immediately, admittedly it's not a major upgrade, but the subtle changes make all the difference in the world. **CU**

PILE ON THE ADD-ONS

ImageFX 1.5 supports a massive range of hardware add-ons for the Amiga. These can broadly be broken down into two categories.

1: Input: *ImageFX* supports the following input devices: Epson ES300C, VLAB and Sharp JX100 scanner, IV24, Framegrabber 256 and PP&S frame grabbers, digitising tablets

2. Viewing: *ImageFX* can render images into a viewable source for all major Amiga screen formats and enhancer graphics cards, including the AGA chipset, HAM-E, DCTV, FireCracker, IV24, OpalVision, and EGS.

The new version also has a preview mode called *SuperAmiga*. This lets *ImageFX* support any ScreenMode that is detailed in the Amiga's Display Database (as found in *Workbench 2.1* and higher).

SILICA £149.99

WORKS ON ALL AMIGAS WITH 3MB RAM. HARD DISK HIGHLY RECOMMENDED

SILICA SYSTEMS, 1-4 THE MEWS, HATHERLY ROAD, SIDCUP, KENT, DA14 4DX. TEL: 081 309 1111

EASE OF USE ♦♦♦♦♦♦♦♦85%

Some of the requesters are a little unclear, and to the new user endless gadgets can prove a little daunting.

VALUE FOR MONEY ♦♦♦♦♦♦♦♦90%

Okay £149.99 is a lot of money, but you get a lot for it. *ImageFX* is a bargain.

EFFECTIVENESS ♦♦♦♦♦♦♦♦90%

For image manipulation, graphical file conversion and digital editing *ImageFX* does a blinding job.

FLEXIBILITY ♦♦♦♦♦♦♦♦95%

How much more flexible could you want.

INNOVATION ♦♦♦♦♦♦♦♦93%

Provides some truly innovative features for an Amiga graphics package (edge feathering, pantograph etc). It's good to see someone bringing new features to the Amiga graphics market.

A graphics package to rival those on the Mac and PC.

OVERALL 91%

WTS Electronics Ltd, Chaul End Lane, Luton, Bedfordshire

A collection of vintage computer peripherals is displayed on a light blue surface. In the foreground, a white keyboard with beige keys is positioned diagonally. To its left are two black joysticks with red buttons. Behind the keyboard, a transparent plastic case containing a beige circuit board is visible.

AMIGA 4000 PACKS

[illegible]

A black Sega Saturn console with a Dual Disc Drive, a black controller, and a silver Dual Disc.



A photograph of a vintage Commodore 64 computer system. The main unit is a light-colored, rectangular box with a floppy disk drive on the front. A separate disk drive is stacked on top of the main unit. A keyboard with a numeric keypad is positioned in front of the main unit. The system is shown against a plain background.

A collection of vintage computer peripherals. In the center is a light-colored mouse on a green mousepad. To the left is a black box labeled 'IBM 200'. To the right is a black joystick with a red button. In the background is a beige keyboard.

[illegible]

Yabba Dabba Doo! Tony Horgan tries his hand as a cartoon film maker with Empire's new animation package.

Until now there were two main choices for Amiga cartoon animators: *Movie Setter* and *Deluxe Paint* – both very different, but both very capable. *Hanna Barbera's Animation Studio* now offers a third alternative, taking a more traditional approach to cell animation. Rather than go for an all-out bells and whistles extravaganza, the designers have decided to make *Animation Studio* as easy to use as possible. Maybe inevitably, this means that you won't find a stack of ground-breaking features. Instead, the emphasis is on simplicity, with a customised icon system replacing the normal Amiga menus.

SOFT CELL

Unlike *Deluxe Paint*, *Animation Studio* splits up its frames into two parts: still backgrounds, and animated foregrounds. Each animation can have just one backdrop, over which all the action happens. The foreground frames are created on a separate screen, and then overlaid on the backdrop. Once you've created your first frame or cell, you can move onto the next. Thanks to the "onion skin" feature, which means that the previous few frames show through as progressively lighter images behind the current frame. As the program doesn't have any tweening features, this is essential when you're moving a character or object across the screen, in order to get a smooth transition.

The drawing functions for creating your backdrops and foregrounds are very simple. All you get are the basic tools: line, circle, box, freehand, fill, undo and clear. There are also a few different brush sizes to choose from. Amazingly, there's no way of loading in foreground cells or backdrops that you might have created in another program. There is no support for IFF images at all – it won't load them or save them. Even your final animations cannot be saved as standard Anim files. An animation package that can't use IFFs? Strange but true I'm afraid. The result of this is that everything has to be created from within the program, unless you have a VIDI digitiser.

VIDI SUPPORT

The digitising section is by far the best feature of the *Animation Studio*. Connect your Amiga up to a Rombo VIDI digitiser and a video source, and you can grab black and white images for use in your animations. Anyone trained in traditional cell animation could use this to transfer hand-drawn frames from paper or film to the screen. You could also make your own stop-frame animations, or *Captain Pugwash*-style cartoons using cardboard cutouts. There's more potential here than meets



You might not be able to match the excellent demo animations, but you'll have fun trying.



Hanna Barbera Animation Studio



The whole program is controlled from picture icons like these, which should make it more accessible to younger kids.

the eye, and with a bit of imagination, you could easily build some very original animations in a matter of a few minutes. A ring-bound book of black and white outline images comes with the software, including animation frames to be digitised, as well as a dismembered Fred Flintstone for you to cut out and animate.

KIDS' STUFF

Animation Studio is designed for kids, which explains the simplicity. It's easy to use, the VIDI support is excellent, the little animations that come with the package are great, and there's even a tutorial video included in the package, but it still has some major flaws and omissions.

It would have been nice to see some simple sound effects features. For example, IFF sound samples could have been tagged to certain frames. This would be an incredibly easy feature to implement, and would add a great deal to the final cartoon – after all, what is a cartoon without sound effects? Then there's the incompatibility with IFF images and animations, which is inexcusable. Moving backdrops and multiple scenes aren't on the menu, and there's no way of replaying your animations outside of the main program.

Animation Studio would make a good starting block for young animators who don't want to do anything more than construct a short cartoon sequence over a still backdrop. It's certainly not a rival for *DPaint*.

If you want powerful paint an animation, you know where to go. If you want to give your little ones a chance to make their own cartoons, then this is definitely a better bet. **CU**

EMPIRE £49.99

A500 ☒ A500+ ☒ A600 ☒ A1200 ☒
A1500 ☒ A2000 ☒ A3000 ☒ A4000 ☒

EMPIRE, THE SPIRES, 677 HIGH ROAD, NORTH FINCHLEY, LONDON, N12 0DA. TEL: 081 343 7337

EASE OF USE

◆◆◆◆◆◆◆◆◆◆90%

The key to the program's appeal is its simplicity. Everything is controlled from a few picture icons, and there aren't any tricky features to cope with.

VALUE FOR MONEY

◆◆◆◆◆◆◆◆◆◆78%

It's relatively cheap, but then it's not exactly packed with features.

EFFECTIVENESS

◆◆◆◆◆◆◆◆◆◆75%

Effective at putting together very simple cartoon animations, but not capable of much beyond that.

FLEXIBILITY

◆◆◆◆◆◆◆◆◆◆65%

Not very flexible at all. No IFF support, very basic drawing tools, few animation features, no tweening, no sound, static backdrops...

INNOVATION

◆◆◆◆◆◆◆◆◆◆70%

The VIDI digitiser section is first (EA, can we have this in *DPaint 5*?). Other than that, it's more of a step back than forwards.

A very good starting point for kids, but otherwise limited.

OVERALL

69%

CUT, TICK & POST...CUT, TICK & POST...CUT, TICK & POST

TELEPHONE HOTLINE'S (0702) 466933 FAX (0702) 617123

PD SOFT BRYANT AVENUE, SOUTHEAST-ON-SEA, ESSEX, SS1 2YD

VISA

MasterCard

V188A (2) SPECTRUM EMULATOR
Want to run your old spectrum software on the Amiga then this is for you. Remember those classic games from yester year. As well as the normal Amiga there's an O20 and O30 version.
Megaloound £34.99
The emulator needs software and a sound sample you can convert game collection direct to disk.

On the 30th of May (Bank Holiday Monday) Come and Visit us! We are having an OPEN DAY. To lunch a NEW item of Hardware, The Kodak Read/Writable CDROM Drive. You can collect software for only £1 a disk. (Orders taken on the Fri or Sat will be ready waiting for you or just turn up on the day). Enjoy FREE REFRESHMENTS & FOOD.

CD ROMS
Please add £1 on the total order for P&P
CD4000... LATEST FISH CD £19.99
GIFTS GALORE £24.99
MULTIMEDIA TOOL KIT £19.99
LATEST AMUC £24.99

FT - LICENCEWARE
Please add £1 on the total order for postage
UW1 BLACKBOARD V2.0 is a fun game Processor which has a surprising range of features. AGA owners get near quality. By G. S. Smith. £34.99
UW2 FORTRESS [2MB] Amazingly smart war strategy game in the MEGA-CD world. Fortress is an absolute must-behold. By Neil Jackson. £3.99
UW3 THE RAINY DAY Brilliant collection of 5 educational programs by Gena Meigs. Ages 4-8 Years. £34.99
UW4 KARATE MASTER [1.5MB] This is NOT just another beat'em up. 1 or 2 player, 99 levels 10 fighting speeds, sub games every 2 levels, 15 different moves. Will be impressed. £3.99
UW5 THROUGH THE RED DOOR More top quality educational programs by Gena Meigs. Ages 4-8 Years. £34.99
UW6 ART SCHOOL This art package is ideal for thirty pupils, but everyone will be amazed by its features. £3.99
UW7 BEGINNERS GUIDE TO AMOS Amos tutorial, covering the first 100 commands to inspire you to learn. Covers 200+ and includes lots of examples. £3.99

EDUCATIONAL DISKS
V792 KIDS GAMES Geography, Science and Word Games.
V793 AMIGA BEGINNER You asked for a guide to begin on Amiga. **V794 LANGUAGES TUTOR v1.0** English, French, German & Italian.
V795 DRAUGHT TUTOR Do you have the talent to learn to use it with this disk?
V796 CU TUTOR A helpful program to understand how to use CU & Shell.
V797 CSCE MATHS Program to learn with the GEM menu.
V798 JAPANESE Help learn Japanese. Word-a-day & Vocabulary.
V799 DINOPIRAT Trivia You land on a dinosaur and appear in front of a dinosaur who will let you if you answer 50 questions.
V800 BACK TO SCHOOL Will motivate the youngest to learn to learn the computer will have fun.
V801 6th FORM EDUCATION Covers all the subjects from Biology, Maths, History, Geography, Science, English, and more.
V802 VISIT TO A PLANET Good quality pictures & voiceovers make this disk into a stunning tour.
V803 COLOUR IT An excellent coloring book for kids and big kids.
V804 DTP DTP Children work with the key board it's a program with graphics abilities.
V805 BACK TO SCHOOL A fun treasure search, Reflex test, Type or more educational programs of kids.
V806 COLOUR THE ALPHABET is a fun game which helps with letter recognition and a bit of counting too.
V807 JUNKY MATHS Cut down on the boring maths lessons and needs help with numbers.
V808 SMARTY PAINTS The whole world is for kids to have a serious art session with usable & interesting facilities.
V809 LEARN IN SPACE Let your children learn how to add, subtract, multiply, divide, and more.
V810 FRENCH VERB Testing is a game for people who are doing French and aren't very good of verbs.
V811 READ & LEARN V1 This educational program will take your children through the classic story of the Three Little Pigs. Use your mouse to move forward and backwards through the computer book. (2)

UTILITY DISKS
V812 AQUARIUM Turns your Amiga into an eye catching fish tank.
V813 FORTRESS A fun game with a 5 min time support list.
V814 NORTH V1.3 Complete C language with all files needed.
V815 ECHO OF THE BEHOLDER Book, Maps, Strategy & Solution.
V816 AMIGA PUNT Will try & make your home will be a better place.
V817 BUSINESS CARD MAKER Create your own business cards.
V818 600 BUSINESS LETTERS Over 600 standard business letters.
V819 DESKTOP PUBLISHING Real life & Graphics Editor.
V820 WINDOWBENCH Give your Amiga a 3rd screen. New look and more your aging software. (2)
V821 ANTI-FUCKER Said to stop the Amiga in High mode.
V822 AMBASSADE PRO II Is the most powerful Amiga word processor.
V823 MESSY SD V2.0 Reads MS-DOS files. Transfer any text files to & from an Amiga.
V824 DICE C COMPILER Matthew Matthews' featured powerful C compiler & environment. Complete C language (2)
V825 CATALOGUE A collection of Amiga files used to Catalog all your disks.
V826 FILE & HD HDick v2.0, File Manager, DiskControl, & tools. (2)
V827 HOME BUSINESS Based on the processing, Data Management, Spreadsheets, Accounts & Printing.
V828 ICON EDITOR V2.0 Create icons 640x200. Edit or Create.
V829 GOLF SCORES V1.84 I will add each round you play & Store it.
V830 FOOTBALL LEAGUE v1.1 Add each round you play & Store it.
V831 IBM EMULATOR Is a complete IBM-PC Emulator for Amiga.
V832 HOME MANAGER Is a complete home inventory database. 2-do list.
V833 DCCOPY V3.1 PRO You can copy the speed of the disk drive. Copy files, folders, & sub folders.
V834 DRAW MAP Is a drawing program with world maps in detail views. 3d or 2D. (2) or 1MB V263

< PC TASK V2.0 >
Latest Registered version £44.99
Even though the word computer market is still dominated by PC's the Amiga range of computers is excellent. You may wish to run some programs written for the PC but do not want a new computer. Enter PC Task! It allows you to run the majority of PC Programs. Transfer of files, Runs 5000, 4000, Runs under KS v1.2 to v3.0, Up to 2 drives & hard drives, Supports CGA, EGA, VGA, Mouse, CDROM, and more. Demo version is available. Order Code V1707

< A64 Emulator v3.0 >
£1000 Latest Registered version £54.99
REPLACE YOUR C64! The software which is provided contains your Commodore 64 disc drive to the Amiga for direct loading or file transfer. The software will copy emulate a C64. You can now load, play, convert Games, Demos etc which will work just as fast or faster than the original machine.
TURBO TAPE (C64) is a NEW! extra which with the help of Megaloound (£34.99) will convert C64 Tape software for use on A64 Emulator. All 3 items for £74.99

< V851 GAME TASTER v4.59 > Get a hold of that old hard game on a chest.
< V852 ASTRO TROUBLE v3.5 > Best Astro game on the Amiga.
< V853 WB 2/3 UTILITIES > Contains the Programs that should have been with WB 2 & 3. Take full advantage of the many new capabilities that are available. (2)
< V854 THE MONSTER PROGRAM v1.5 > Several samples of Amiga scripts and programs.
**< V855 UNIX Working demo of Unix & a Unix based system which is compatible with WB 2 & 3. It consists of six manuals, with over 40 chapters (3)
< V856 FREECOPY v1.8 >** Removes protected games copy protection so that the user can use the game as they wish.
< V857 PROFESSIONAL CANALIAN v3.0 > Is the largest collection of utilities, documents & examples for C. It consists of six manuals, with over 40 chapters (3)
< V858 TEXT ENGINE v4.1 > Updated version of the Word processor with AZSPell.
< V859 ANIMATION UTILS v1.8 > The most popular animation utility on the Amiga.
< V860 FORMS > Create, Edit, Draw, Colour & print your own forms.
< V861 PROGRAMMING TOOLBOX > Many programs to help in your development. Includes most C and some in Pascal.
< V862 AREX > Contains a selection of Amiga programs & finished examples (2)
< V863 PASCAL > Everything needed to program in Pascal. 68000 assembler.
< V864 PROGRAMMER TOOLS > GadTools to design your user interface to your own programs using all of DOS 2.0+.
< V865 ANIMATION UTILS > Includes C utilities for splitting, combining, and creating animations from GIF picture files.
< V866 DIRECTORY UTILS > Highly recommended programs which are designed to make disk tasks virtually obsolete.
< V867 PRINTER > Complete graphic conversion program for the support of Atari ST, PCX, TIF, HP-GL and RT Formats.
< V868 ADVANCED UTILS > Set of 8 Programs. Contains 2 Amiga's & share resources via serial or Parallel ports. MyMenu
< V869 ELECTRO V4.2 & PRO TOYER > A fun game.
< V870 AMOS PLUS EMULATOR > All the sounds will fit v1.2 owners run WB v2.0 software with V1.0 any need to purchase the Workbench v2.0 chips.
< V871 88888 v6.5 > A sound built-in Board System. Runs like a 99 line interface. Includes a 99 line interface.
< V872 SNOOPDS v1.5 > Monitors Dos calls to see what library, devices, fonts are required if a program won't load.
< V873 REPAIR IT v2.0 > New v3.3, Sector file editor. FUDISK v1.2, Recover as much as possible from a defective disk.
< V874 MODULA > Contains module 2 language on the Amiga.
< V875 SD V2.01 > SD can be used for various operations, like file copying, re-formatting, deleting, moving, formatting etc.
< V876 MUSIC MAKERS > Programs to produce, edit, and save music productions.
< V877 IMAGE PROCESSOR > Tools to perform wide variety of image techniques.
< V878 MANDEL EXPLORER > Collection of fractal generating software utilities (2)
< V879 SPACE > The space disk helps you study, identify the stars & celestial objects.
< V880 TROJAN CAD v3.4 > The best Computer Aided Design program with excellent power functions for all users.
< V881 BACK-IT UP > Newly updated disk which contains AbBackup v4.03. A powerful backup utility that may be used for Hard Drive backup and File Archiving. It also contains a backup utility for 3.5 inch disks.
< V882 RAM V2.2 > Standalone Fast Info Mover which will allow you to create Info Mover and other programs to a word Processor and other programs to a word Processor and other programs to a word Processor.

< V883 LETTERS & BOLLERPLATE > Contains letters for you to use in your own or cut and paste into a Word Processor.
< V884 SCREEN BLANKERS > A disk packed with screen blankers. Includes the Twilight Zone blanker along with 10 others.
< V885 LAYUNOVIA v1.5 > Mind-boggling colourful program that makes pictures of the most beautiful formulae.
< V886 SYSTEMOPTIMIZER > Command file gives memory makers. Rflog will optimize hard, floppy disks for speed increase. HDMem virtual memory 2MB for 2MB HD space.
< V887 INTUITION BASED BENCHMARKS > A collection of the popular 50% like Sieve, Fibonacci, Sieve, Mergesort, etc.
< V888 TESTS > Contains all of the classic speed tests and system checks we could find. Includes CPU Speed and system diagnostic tool.
< V889 PROTECTION > Is a collection of utilities aimed to protect your data and outboard storage devices. Includes File Lockdown, File Protection, and more.
< V890 BENCH-V1.0 > The complete solution to the replacement Workbench. Includes useful utilities. Last-stage, View, Virus Checker, Power packer & DCCopy (2)
< V891 CUBIC LEAGUE > Is a utility that will allow you to edit and keep track of your drive's performance. Includes a 50% like Sieve, Fibonacci, Sieve, Mergesort, etc.
< V892 SUPER KILLERS v5.1 > The Virus Killers like BootV, Virus Checker v5.34 and the new release of Virus2 v1.0 should be able to kill those nasty trojans and viruses. (2)
< V893 WB 2.0 UTILS > 6 Hires another collection of Workbench enhancement utilities.
< V894 NCOMMA v1.26 > Is a file unifications program based on Comma v1.34 with lots of very nice enhancements.
< V895 KICK v1.4 > Will download grade A500+, A600 or AGA machines to run all that

PRICES (Prices are Per Disk)
1...disk £3.00 2...disk £2.75
6...disk £2.50 11...disk £2.00
21...disk £1.75 51...disk £1.25
- SPECIAL OFFERS -
(1) Order any 14 PD disks for the price of 11 that's only £22.00 + 50p P&P (which is only £1.57 for each disk).
(2) Order any 24 PD disks for the price of only £34.00 + 50p P&P (which is only £1.42 for each disk).
COLLECTING DISKS
You can now collect any disks from our office address which is Unit 2, 6-8 Durbin Road, Southeast-On-Sea, ESSEX, SS1 2YD. Collecting disks are cheaper than retail.

Call The Best AMINET
Welcome to the Best CDROM on the Amiga. Contains the Amnet Internet collection of software, 610 megabytes of programs and data. 3800 files, including hundreds of applications for business, database management, text processing, GNU utilities (including the GCC C compiler), music and graphics programs, telnet packages, and utility programs of all kinds. Hundreds of Games, Technical & developer information.

< Aminet 2 > £16.99
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

ORDERING BY POST
Please tick the boxes to the left of the disk numbers with a Pen, Hi-Lighter or just outline the disk(s) you would like to order. After selecting the disks, fill in your Personal details on the order form provided. CUT OUT or copy this advert & Post it to the Address above. Hand written orders are also accepted. Orders with cleared funds will be sent by First class post within 48 hours.
PD & SHAREWARE
The disks contained within this advert are Public Domain or Shareware. If otherwise stated, Please remember that the cost you pay is for the duplication & handling costs of the disk, not for the programs or the contents of the disk(s). Remember that Shareware is not FREE and if you like it, Register it with the Author(s).

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

POSTAGE & CARRIDGE
There is a Postage and Packing cost to be added onto every order of 50p. If you would like Recorded Delivery add (£1.25). Special Next Day Delivery (£4.50) UK only.
PAYMENT DETAILS
Make Cheques payable to PD Soft, Bank of America & Bankers draw on PD-Soft. Credit Cards can be used. Overly's Cheques Must be Drawn on a UK Bank (No overseas Postal Orders can be accepted). For fast despatch cleared funds only.
OVERSEAS ORDERS
When ordering from outside the EEC there is a minimum order of 5 disks. Please add 20% of your order's total (Min £20.00) to cover Air Mail. UPS Delivery is now Available ask us for more details or a quote.

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

< V1353 .TEXT PLUS v5.01 >
A Text frontend Word Processor. Text Plus provides facilities for tables, lists, mailmerge, footnotes, inclusion of graphics, an Amiga-provided (722 commands) printing via the printer device, on full DOS 2.0/3.0 compatibility. New features: user definable menus, keypad, and macros, completely localized (English, Deutsch, Dänisch) support, ApplWinnow, Applcon, 11 new Amiga commands. HD INSTALL

like AmigaDOS, DNet, Par/Server, also contains various update devices and files. (3)
< V1310 GUIDES > Contains AGAGuide, which gives full Amiga Guide information and User Guide is a Guide to the Amiga Libraries, Where to find almost every library.
< V1311 CDROM > Contains a selection of CD Rom related utilities like CDTV Player v2.2, PlayCDMA and ReadCDTV.
< V1313 GBLANKER v2.7 > Is a complete modular screen blanker package designed with DOS 2.0 or better in mind. 16 Different Blankers and a message system.
< V1314 HPAL v2.01 > Contains a printer driver for the HP LaserJet 4L printer.
< V1316 [AGA] SWEET > Is a selection of commercial quality images for use as backgrounds of one in maximum screen for best results.
< V1319 MAXIFILE > Enables you to take complete control over your finances. SPEND-WISE is a tool to assist you in maximizing your return from your day to day outgoing.
< V1321 EDWARD PRO v4.1 > Text language editor or Word processor on the Amiga with over 100 features. By M. Reddy.
< V1326 C. COMMANDS > 1000+ commands over 100 commands that lie within a directory and over 20 libraries will spice up your disks.
< V1330 [AGA] COLLECTION > Contains AGA source code, IFF binary content, SpriteConverter, Colour Converter, PPSHOW, Viewlet v1.0, V1335 [AGA] LIBRARY & DATATYPES contains 47 libraries for wordbooks 3 computers, all are right up to date and just waiting for you.
< V1336 BBC EMULATOR > Contains special commands to allow existing files to be transferred from a BBC, with DFS by means of a cable. BBC v1.02 port to Amiga 6222 port.
< V1340 VCD ROM > Amiga VCD ROM with new computers being produced every Day, month, year's great to see another classic preserved on the Amiga. Contains the basic ROM, CHARM, Kernel ROM and two versions v1.0 & v2.0.
< V1354 FIVE STAR v1.0 > A powerful production tool for LOTTO, POOLS, WHEEL, DIGIT and HORSE racing systems worldwide.
< V1355 MASTERMASTER V1.0 > Amiga program that enables to transfer/receive samples via MIDI between the Amiga and any MIDI device. Has a easy workbench interface.
GAME DISKS
< V1 - 1073 TETRIS ORIGINAL > Is the closest game to the original Tetris.
< V1 - 1420 DTRIS > If you want a 2 player Tetris this has to be 1 of them.
< V1 - 1749 SCRAMBLE > Original that old classic game from the arcades.
< V1 - 1977 POOL POOL > Pooler Shoot down WAZZ or planes in this Op. Wolf game.
< V1 - 2018 ETHERNET Spectrum > Classic on the Amiga with all the original sounds.
< V1 - 2022 SEALANCE > The first Silent Service type sub war game on PD.
< V1 - 2054 ATAC > A rendition of the game from the original Spectrum.
< V1 - 2164 DUNGEON ON NADROJ > This is the best D&D adventure type game.
< V1 - 2220 STRATEGIC GAMES > Eternal Rome, Lords of Haste, in Moonshine.
< V1 - 2221 MIND GAMES > 21 of the best games to challenge your mind.
< V1 - 2272 BLACK JACK & Play > All the popular versions of Pontoon.
< V1 - 2278 CARD SHARP > Very well presented selection of solitaire games.
< V1 - 2280 DIPLOMACY 2MB > Classic strategy game loosely based on World War I.
< V1 - 2411 TOTAL WAR > Strategy world conquest game. 1 or more players.
< V1 - 2432 GOLDEN OLDIES > Galaga, Galaxian, Space Invaders, Asteroids, Gally & Missile Command the classic selection.
< V1 - 2447 CONDRIP > Fruit Machine simulator with various game modes.
< V1 - 2448 CRACKY & Another > First rate cute school girl version of a game.
< V1 - 2480 FRUIT MACHINE 2 > As near as possible to the Arcade Machine.
< V1 - 2491 LEGEND OF LOTHIAN > Excellent adventure game in the vein of Ultima.
< V1 - 2498 AMOS CROCKET > Excellent arcade game with a variety of levels.
< V1 - 2614 TETRIS > Is a 2 player Tetris. The 2 player game is Head 2 Head.
< V1 - 2617 GOLDEN OLDIES 2 > Croak, is a 1 or 2 player Frogger. BFlanes is 1 of the most addictive games we've played here. Fruit-Blazer, on the C64 Classic, Scramble.
< V1 - 2620 DR. MARIO > You must move colorful pills down the screen.
< V1 - 2621 ETERNAL ROME > Start the Roman Empire from 32BC. Build fleets, armies & attack other countries and empires.
< V1 - 2622 DONKEY KONG Platform > game in which you must rescue the girl.
< V1 - 2676 MORIA > 500+ Levels of new features, better graphics, larger graphics, dungeons, screen updates, overview of dungeon's map, more monsters etc.
< V1 - 2724 NEIGHBOURS > Is the best graphical adventure game to date (2).
< V1 - 2738 AIR TRAFFIC CONTROL > Try to guide up to 100 planes into the Airport.
< V1 - 2802 CAR-O-RAMA > Sam Hewitt, Crib Klondike, Black-Jack, Spades, Street.
< V1 - 2825 ALL ROUNDER > A Cricket simulation with great graphics & play.
< V1 - 2854 SPACE INVADERS > A revised old classic Space Invaders arcade game.
< V1 - 2864 FIGHTING WARRIORS > A karate combat fighting contest game.
< V1 - 2932 NUMERIX > Enjoy puzzles then this is a must. You have a scorable board & you must place black & white pieces to get points.
< V1 - 2967 BOMB JACK > A conversion of the original Bomb Jack. It's an old classic.
< V1 - 2968 BALDERS GROVE > Is here! Balder dash with a selection of levels that work fully on Workbench 2.0 or higher.
< V1 - 3039 ASTEROIDS > Is v0.85. The best version of Asteroids I have ever seen. It's a classic.
< V1 - 3040 TETRIS [AGA] > If you like Tetris, you need this disk. AGA graphics.
< V1 - 3075 18 HOLE GOLF > Fully selectable speed and power functions combined with superb graphics and sound. (2)
< V1 - 3162 SON OF BLASTER > Classic C64 platform conversion. You remember it.
< V1 - 3214 UNY CON > A game where 2 human players battle for control of the universe. allow the player to concentrate on the games strategy, digitized pictures.
< V1 - 3234 SYSTEM DEFENDER > Defender is the game and this is the game for you, in true Defender style it's a classic.
< V1 - 3235 ALIEN BASH > Is set inside a prison for the galaxies mentally unstable, you have been imprisoned there along with a bunch of your mates. Rescue your friends.
< V1 - 3252 BOMBINE > Is well produced a revision of the classic Bomberman game.
< V1 - 3253 OPERATION METEOR > Set in a mining 3D adventure where you can travel around.
< V1 - 3265 WIBBLE WORLD > GOGGY Wibble World of Giggia Mania has town you can enjoy the trials of controlling an egg shaped character for free. Solve puzzles, avoid monsters.
< V1 - 3283 NECESSARY ROUGHNESS > An overhead view of what will be the play that you think will be most effective to the game. You will then be able to see the action, followed by a brief summary of what you have just seen. (2)
< V1 - 3286 AIR HOCKEY > A game based on an air hockey from the amusement arcades.
< V1 - 3287 ROAD TO HELL > Is an overhead view driving game like Hoard. There's a helping extra which can be bought from the shop like Tetris, Engines, Rockets & Smoke.
< V1 - 3310 STARBASH > Is a graphic adventure, similar in style to Monkey Island and Operation Stealth. A brilliant game. (2)
< V1 - 3370 DIGITAL TETRIS > Is a One or two player Tetris game with neat graphics. Here's the C64 version to keep you happy.
< V1 - 3383 POPEYE > Is one of my old favourites.
< V1 - 3401 JETTY QUEST > Very playable.
< V1 - 3401 JETTY QUEST > Is a cross between Gbert and BlockIt which makes it an excellently addictive puzzle game.
< V1 - 3411 KINGDOMS AT WAR > This is a 1 to 4 player Risk type game with neat and colourful graphics and presentation.
< V1 - 3412 CONQUEST & DOMINATION > An excellent strategy game in which you can battle with troops, Tanks, Guns, Planes, Bombers, Battle ships. Replace ammo, trains, tanks, Build buildings etc.
< V1 - 3428 CLASSIC TETRIS GAMES > For all you Tetris fans with a Tetris game for Tetris games. Here's the C64 version to keep you happy.
< V1 - 3434 MR MEN OLYMPICS > Is a last action joystick wargame for all of true Olympians or just crazed Mr Men. (2)
< V1 - 3436 [AGA] MOTOROLA INVADERS > Its just another excellent AGA very large graphics space invader type game. (2)
< V1 - 3454 [AGA] KLOONE > Is a fancy game of Klondike with AGA graphics.
< V1 - 3465 ROBOULDER > Is a action puzzle game with 32 colour graphics, over 500 different objects, and is a variant on the most excellent arcade classic Boulder Dash.
< V1 - 3616 GEM CHESSE 4.0 > Contains a nice graphical user interface menu to move pieces etc. The advantages of this program via MIDI between the Amiga and any MIDI device. Has a easy workbench interface.
< V1 - 3620 OR

AMIGA REPAIRS

Repairs undertaken to Amiga 500 computers at £44.95 inclusive of parts, labour, VAT and return postage/packing

Commodore registered for full technical support

Computers repaired in the quickest possible time

All machines will be overhauled with a full soak-test to ensure optimum reliability

Entrust your machine to the experts, full 90 day warranty

Repairs to disk drive and keyboard also included (extra charge possible if found to need complete replacement)

Repairs to other Commodore systems undertaken - phone for details

Upgrades and expansions supplied and fitted - phone for details

£44.95

To take advantage of this exceptional offer, simply send or hand deliver your computer to our workshop complex, address details below, enclosing this advertisement-voucher, payment, fault description, return address, along with your daytime and evening telephone number and we will do the rest. Should you require Group 4 Security return delivery, simply add £5.00 to the repair charge.



WTS Electronics Ltd Chaul End Lane Luton Bedfordshire LU4 8EZ Tel 0582 491949 (6 lines)

(We reserve the right to reject machines which, in our opinion, are beyond repair- Normal charge applies)

BEAVOUS
CARPENTER
CHILLI
CHINESE
CSDJERSEY
RIBBONS
HEADHUNT
INDIANA
KEYBOARD
MEDUSA
MiamiNite
WIDEWORD
OREGON WET
ORIENTAL
BLOCK!
CALLIGRAPHY
CRACKLING

SELECTAFONT

EUROPE'S
LARGEST
COLLECTION OF
FONTS
Over 4000 Fonts
now in Stock!

PIC n MIX
from over 160 Disks in
ADOBE or COMPUGRAPHIC
Format. Each Disk contains 12
Fonts and costs between
83 Pence and £3.00

EUROPE'S
MOST
INEXPENSIVE
FONTS
Each Font Costs
Between 7p-25p

IT'S BACK!!

WE introduced the **PIC n MIX** concept to the AMIGA, and now by demand:
THE RETURN OF THE INDIVIDUAL FONT SELECTION SERVICE!
YOU CHOOSE the FONTS.....We make up your DISKS!

Prices for individual Font Selection start from:

YOU CHOOSE... 30p each ...WE SELECT!

FONTBUSTER
500 FONTS £34.99
Choose from 4
Different Volumes

TECHNICAL
Helpline
for
all
Customers

CLIPBUSTER
23 CLIPART DISKS £24.99
(ALL Disks have
Image Catalogues)

INK-JET/BUBBLEJET SERVICES

Having used Ink-Jets for 3 Years, we feel we are in a unique position to offer a first class service to all of our customers. We only supply **PREMIER** Ink refills for all printers which we **GUARANTEE** will give a **BETTER** quality than from your original Cartridge. We also supply a comprehensive range of Ink-Jet/BubbleJet Consumables including: COLOUR KITS/ORIGINAL CARTRIDGES/CLEANING KITS

Single Refills £6.99
Twin Refills £12.99
6 Pack Refills £24.99

available in Black/Cyan
Magenta/Yellow/
Green/Red/Blue

IFF CLIPART

We only supply Hi-res Clips that we have created ourselves. All disks come with image catalogues

NEWSFLASH!

2000 New Fonts
available from
April 1994

We have the UK's
Largest Collection of
SCALEABLE CLIPART
No Jaggies No Hassle!

For a **FREE** Comprehensive Printout of
Fonts and Details of our other Services:

PHONE: 0702 202835
or FAX: 0702 200062
or WRITE TO US!

Please include Details of your System set-up
and the Software you will be using.

No
Silly
Info
Pack
Prices
Here!

ACCESS/VISABANK/PCARD
MASTERCARD
CREDIT CARDHOTLINE:
0702 202835

SELECTAFONT (DEPT CU),
84 THORPE ROAD, HAWKELL
Nr HOCKLEY, ESSEX S85 4JT

POSTCRYPT

QUISIT
RANSOME
SHANGHAI
SHRAPNEL
STAR
STEEL
STENCIL
STRETCH
TOYBLOK
WEDGIE
WOBBLER
ZORROW
SWINGER
Tiptopetto
OpenHouse
PEACE
POWERLINER
StarStruck
GALTER

**This month we've
joined forces with
Commodore to
bring you
the biggest
competition yet!
(probably!)**

If you're a regular CU AMIGA reader you'll know how impressive the CD32 games console is. With its state-of-the-art 32-bit internals, near photographic quality graphics, stereo sound and Amiga compatibility the CD32 can play some really impressive games.

For gamers the CD32 is simply unrivalled. Whilst other console manufacturers announce new super consoles, the CD32 is already out and about, and it's a true 32-bit system to compete with the new models from Sega, whenever they arrive.

But it's also got a lot more. If you've read the review of the CD32 FMV module in our February issue and the review of the first FMV films in the May issue you'll know how stunning Commodore's CD32 upgrade is. If not, take our word for it, with a CD32 and FMV module home entertainment will never be the same again!

Wire up the CD32 and you can watch top films like *Patriot Games*, *Star Trek* and *Black Rain* with better than video quality pictures, CD sound, and perfect digital freeze frame – amazing!

You're probably already thinking about buying one of these amazing beasts. Let's face it, with a new price of just £249 for the CD32 and and £199 for the FMV card there's never been a better time.

But how would you like to win both of them right here? Thanks to Commodore we've got three of these stunning combinations to give away, all you need to do to stand a chance of winning one is answer these three simple questions:

1. How many games are now available for the CD32?
2. What does FMV stand for?
3. How much is the CD32?

Now put your answers on the back of a postcard and send it to:
FMV FOR ME! CU AMIGA, Priory Court, 30-32 Farrington Lane, London, EC1R 3AU.

RULES AND CONDITIONS

1. This competition is not open to employees of EMAP or Commodore.
2. The Closing date is 31st June, 1994.
3. The editor's decision is final, and don't bother trying to bribe him (unless you've got lots of money!)
4. No correspondence will be entered into.
5. Multiple entries are not allowed.

WIN WIN WIN



With one of these CD32 babies and its FMV card you can laugh your socks off at films such as *Naked Gun 2.5*.



I bet he's 'hunting' around for a CD32.

CD32 - THE ADVANTAGE!

* True 32-bit technology
CD32 is the only 32-bit games console available! The CD32 is as powerful as the games consoles Sega is planning to release later this year, but it's here now!

* Near 24-bit graphics
CD32 games can feature amazing near photographic graphics!

* CD Quality Sound
CD32 games have sound and music just as good as CD music, in fact, it's the same!

* Masses of games
There are already over 80 games available for CD32!

FULL MOTION VIDEO!

In addition to the amazing games you can play with your new CD32 you'll also be able to watch normal films and pop videos on compact disc as well. There are already five top feature films and many pop videos available in FMV format and loads more are planned for release soon.

AMIGA CD32

Class War has raged long and hard in Amiga Comms, but at last peace has broken out thanks to the very latest version of **GPFax**.

GP Fax

All modems you can buy these days come with fax capability. However, nine hundred and ninety times out of a thousand the software in the box will be something like *WinFAX Lite* – a very good piece of software, but unfortunately it is only compatible with the PC.

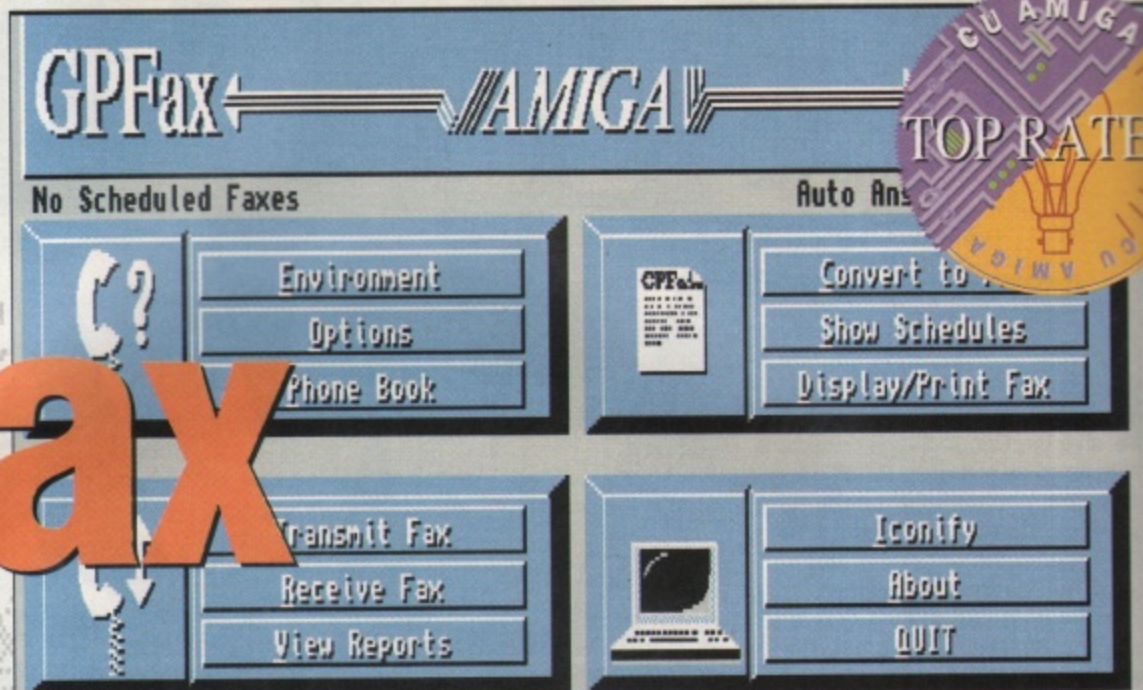
Also, the majority of the Amiga software that you can use has what's called Class 2 Fax Capability. This is fine if you have a modem such as those made by Supra, but most of the low-cost modems from USRobotics only support Class 1. The difference between these Class 1 and 2 isn't great, but it is enough to prevent the favoured Amiga program, *GP Fax*, from working. After spending £250 on a small-but-perfectly-formed Sportster, it was incredibly frustrating not to be able to use the fax facilities with my Amiga.

Thankfully, help is at hand. At last, due to popular demand, *GP Fax* has been updated to include both Class 1 and Class 2 modem support. Now, both USRobotics and Supra fans (and any other make of fax modem) can make the most of their tiny little bleeping boxes.

THE FAX OF LIFE

Using *GP Fax* is brilliantly simple. Before you can send a fax you must first convert text files or pictures to a suitable fax format, a process which takes *GP Fax* only a few seconds. You can then take a name from your on-screen phone book, or type one in directly. Adding a cover page is simplicity itself. You hit 'transmit' and the modem dials a number and sends the fax. End of story. You can also choose to have the *GP Fax* program appear as an icon on the Workbench when loaded, which is handy if you want to include it in your Workbench Startup drawer.

Although converting a text file is dead easy, believe it or not there is an even easier way to create suitable faxes. *GP Fax* can be set-up to intercept any files which have been sent to a printer, which means that any program which has a 'Print'



The main control screen can be displayed on the Workbench, its on screen or even collapsed into a single icon. Even when iconified, it is always ready to spring into action and answer the phone, or redirect printer output.

option can be used to create suitable faxes.

When combined with a good page publisher such as *Final Writer* or *WordWorth*, the results are extremely professional looking. In fact, to get similar results with a standard fax machine you would need to DTP your letter, send it to a laser printer and feed it in by hand. If you use a fax for business, having a fax modem and *GP Fax* will actually save you a lot of bother.

Receiving a fax isn't a problem either. You can trigger the fax reception by hand (useful if you have a main telephone switchboard to get through) or invite the modem to automatically pick up the call. Received faxes will be converted to standard IFF images which means you can display them on-screen before deciding if they merit being sent to a printer. It goes without saying that this is the cheapest way to get a plain paper fax machine – no fading or curling pages (unless your printer is broken). You don't even need a printer as most faxes are perfectly suitable for keeping in IFF format on disk, which can be a lot safer in a security conscious environment.

The excellent *ARexx* support offered by *GP Fax* means that system operators who run bulletin boards will be able to add fax support to their systems. Details are given in the manual to integrate *GP Fax* with *Trapdoor* – the popular electronic mailer program. When set up properly, it's possible for the BBS to accept faxes on behalf of the board's users, and forward them automatically as image files. This sort of system requires a Class 2 fax modem in order to work, as only Class 2 systems will correctly differentiate between a fax call and a normal modem data call.

JUST THE FAX M'AM

There are only a few little biddy bugs and omissions in *GP Fax* at the moment – for example, when using the redirected printer output, the software spits up an error if you happen to be running an application in an AGA screen mode. You can ignore it, but it's a pain. It would also be nice to see multiple faxes on-screen, and be able to rotate incoming pages in steps on 90 degrees too.

You should remember also that *GP Fax* won't produce ASCII text from received files, only an IFF

There are many options available to fine-tune your particular setup, including fax resolution and auto-answer. Some options are only applicable to good old Class 2 modems, but at least the Sportster can now be used.

image. To interpret the image into raw text, a specific Optical Character Recognition is required.

CONCLUSION

GP Fax is a terrific program which although offering tremendous power, does it all in a very non-techie way. It is by no means essential to be comfortable with Comms and modem jargon before you use *GP Fax*. In fact, in many ways it's actually easier to use than a dedicated fax machine.

With its friendly point-and-click interface, and *GP Fax* offers practically all the features available on PC specific fax programs. In fact, as the Amiga multitasks properly and offers *ARexx*, once again an Amiga set-up will out-perform and cost less than a similar solution on any other computer platform. **CU**

FIRST COMPUTER CENTRE £49.99

A500	A500+	A600	A1200
A1500	A2000	A3000	A4000

Works on any Amiga with a fax compatible modem. Extra memory recommended for large images.
FIRST COMPUTER CENTRE, UNIT 3, ARMLEY PARK COURT, OFF CECIL STREET, STANNINGLEY ROAD, LEEDS LS12 2AE. TEL: 0532 319444

EASE OF USE ♦♦♦♦♦♦♦♦♦♦92%

Converting files into and from fax format is easy, as is entering and dialling using the Phone Book.

VALUE FOR MONEY ♦♦♦♦♦♦♦♦♦♦94%

Excellent - could you buy a plain paper, auto-scheduling fax for this price? I think not.

EFFECTIVENESS ♦♦♦♦♦♦♦♦♦♦95%

Very high quality faxes

FLEXIBILITY ♦♦♦♦♦♦♦♦♦♦95%

Class 1 and 2 support means USR Sportsters can join in the fun. *ARexx* makes this a powerful program.

INNOVATION ♦♦♦♦♦♦♦♦♦♦92%

It took long enough! Can we have some OCR.

An essential purchase for modem owners.

OVERALL 94%



ALL WORK AND ALL PLAY



£299

(excluding VAT)

THE TWO-IN-ONE MONITOR FROM MICROVITEC

There's a new, highly versatile, dual purpose colour monitor that's unbelievable value for both business and games use.

Compatible with all workbench modes, the Auto-Scan 1438 has high performance electronics and an ultra fine tube for sharp, crystal clear images.

Designed and built to exacting standards for

assured reliability and quality by Microvitec, the UK's leading monitor manufacturer, features include:

- 14" screen
- 0.28mm dot pitch
- 15-40 kHz
- Fully autoscanning
- MRPII compliant
- Designed and manufactured in the UK



Microvitec Plc, Bolling Road,
Bradford BD4 7TU
Tel: 0274 390011
Fax: 0274 726866

CALL NOW ON 0274 390011 FOR YOUR NEAREST DEALER



King of the Scanners
Just Amiga Monthly

256 Greyscale Scanners

Total solution for scanning A4 images

Features :- True greyscales, 100-400 dpi, 105mm head, OCR option
Top quality hardware with the latest version of software from Migraph.
Allows real time scanning, provides powerful editing/painting features.
Compatible (imports/exports) IFF, IMG, PCX, TIFF and MACPAINT formats.
Compatible with all Amiga's
A500, A500+, A600, A1200, A1500, A2000, A2500, A3000 and A4000

Touch UP, Merge It and
Special OCR software.

Minimum system requirement 2Mb
RAM, and a Hard Disk

New Low Price
Including OCR

£139.00

ALFA COLOUR

256K 18 Bit Colour
Scanner for all Amiga
Systems.
Comes complete with
Scanning Software and
now with new Colour
Correction facility.



£339.00

MIGRAPH COLOURBURST

The new 262,144-Colour
Hand Scanner for all Amiga
Systems.
Comes complete with Scan
Kit Software and Junior
OCR Software



£399.00

Trackball



GOLD AWARD WINNER
IN ST FORMAT 92%
ST REVIEW 91%

Stylish three button
trackballs, with third
button supporting auto fire
and drag and hold
New touch and light two
colour shining Crystal Ball

£34.95

Mega Mouse MK II



A new low cost
replacement Mouse
for all Amiga
Systems.
260 Dpi
12 Months Warranty.

£12.95

Auto Mouse/ Joystick Switch



Best Buy CU AMIGA
Automatic Switcher
between two input
devices with a click of a
button.

E.g. mouse/joystick

£12.95

Mega Mouse 400



GOLD
AWARD
WINNER
IN AMIGA
FORMAT
90%

A 400 dpi high resolution Opto-Mechanical Mouse.
Top quality construction ensures rapid and smooth
movement, with micro switch buttons.

93 % Rating AMIGA USER INTERNATIONAL
Best Buy CU AMIGA / AMIGA COMPUTING /
AMIGA SHOPPER "Astounding" / JUST AMIGA
MONTHLY / AMIGA MART / ACCESS AMIGA

£14.95

Optical Mouse



St Format 81%
Cu Amiga 79%

Superb 300dpi Optical
Mouse with effortless micro
switch buttons. Fast, smooth
and reliable.

Includes Optical Mouse Pad
and Holder

£29.95

Optical Pen



A stylish Pen Mouse with
quality construction and
smooth fast movement.
Micro switch buttons. Ideal
for DTP, artwork, etc
Includes Optical Pad

£34.95

OKTAGON 2008

SCSI-2- Controller with upto
8 Mb upgradeable RAM for
Amiga
2000/3000(T)/4000(T)
The Oktagon 2008 offers
comprehensive solution to the
most diverse SCSI devices and
to the most diverse problems.

£129.00

NEW TANDEM CONTROLLER FOR CD-ROM DRIVES WITH IDE INTERFACE.

This is a dual multifunction
controller card for the
A1500, A2000, A2500, A3000(T)
or A4000(T)
The ideal low-cost and one of the cheapest
Amiga CD-ROM solution around.

£69.00

MULTIFACE CARD III

Multi I/O card for Amiga series
1500/2000/2500/3000(T)/4000(T)
The multiface card III expands your
AMIGA by adding 2 serial ports and 1
parallel port, which work at the highest
possible transfer rate.

£129.00

MIGRAPH

Full OCR for all	£ 49.95
Amiga's	
Junior OCR	£ 39.95
Touch Up & Merge It	£ 39.95
Scanning Tray	£ 49.00
Merge It	£ 15.00
Touch Up	£ 35.00
Touch Up Upgrade V3.x	£ 29.00
Upgrade to full OCR	£ 35.00
Only available to Registered users of OCR Junior	
ColourBurst Color Scanner	
with Scan Kit and OCR	£ 399.00

IDE HARD DRIVES FOR AMIGA A500/A500+/1500/2000/3000/4000

with Optional Ram Upgradeable from 0 to 8Mb

Controller Plus 40Mb Hard Disk	£ 179.00
Controller Plus 85Mb Hard Disk	£ 279.00
Controller Plus 120Mb Hard Disk	£ 299.00
Controller Plus 250Mb Hard Disk	£ 329.00

HARD DRIVES FOR AMIGA 600/1200 with IDE Cable.

209 Mb Hard Drive	£ 299.00
65 Mb Hard Drive	£ 149.00
120 Mb Hard Drive	£ 219.00
170 Mb Hard Drive	£ 239.00

Colourful Animal Jungle or Dinosaurs Design Mouse Mats.



New Soft Mouse
Mats £5.00
Only



AVAILABLE FROM ALL GOOD COMPUTER STOCKIST OR CALL US ON
TELEPHONE HOTLINE: 081 365 1102.

Please add £3.50 postage and packing to all orders under £100.00 and Orders over £100.00 add £5.00 postage and packing. COURIER CHARGE £10.00. All prices include VAT. GoldenImage accepts payments by Visa, Access, Cheque or postal order. E.&O.E. Prices subject to change without notice. Goods subject to availability. Specification subject to change without notice. All Trade Marks are Acknowledged.



Tel :081 365 1102 Fax :081 801 8356

GOLDENIMAGE UK LTD

Unit 12a, Millmead Business Centre,
Millmead Road, London N17 9QU

Exclusive Distributors of Alfa Data Production in the UK

SEE US
AT
SPOTLIGHT
'94

MEMORY BOARDS Challenge

John Kennedy takes the current batch of A1200 memory cards for a spin around the block. Which one makes it back first? Read on and see...

It doesn't take an A1200 owner to realise that they need more memory and more speed. A hard drive may solve the 12 disk dance of misery which certain Word Processors impose, but if you've tried using large pictures you'll know by now that simply adding some memory to the trapdoor expansion slot will have the added benefit of freeing up the graphics (or 'chip') memory and boosting performance.

Programs will automatically load into this 'fast' memory, and a doubling of the standard A1200's speed isn't unknown. Some memory cards will improve things even further by including an FPU (or Floating Point Unit) on the card. Maths intensive programs, such as ray tracers or fractal landscape generators, will use the FPU to cut processing times still further.

DEAL THE CARDS

The two latest cards to come into the CU AMIGA testing labs are the Amitek Hawk and the Blizzard 1220. Both promise extra memory, a real time clock and a good injection of steroids to boot. Both fit into the trapdoor expansion of the A1200, and so the on-site warranty is therefore left intact.

The HAWK card is quite large, mainly due to the inclusion of a single SIMM socket. Using memory in the SIMM package means that upgrading can be done in steps, from 2Mb to 4Mb to 8Mb. Unfortunately, the provision of only one socket means that you'll need to throw away the SIMM that's already present when it comes to upgrade.

The size of the HAWK makes fitting a little fiddly, and it certainly looks a lot less hi-tech than the superslim featherlite Blizzard. The Blizzard is a 'half height' trapdoor card, which comes with 4Mb of RAM surface mounted. Another 4Mb can be added by clipping on an extra card which fills the remaining trapdoor space.

TESTING TESTING

In use, the HAWK turned in a rather poor set of figures. Compared to the older Power PC1204 it flagged badly, and even fitting a jolly fast 68882 FPU didn't give it too large an improvement over the Power board's 14MHz chip. By comparison,

the Blizzard nearly flew off the desk. The blurb on the box promised a huge speed increase due to an 'automatic memory clock doubler', something I originally put down to advertising license. However, the results from the tests were so good I removed to card to get a better look. Guess what? There in the corner was a 68020 processor, clocked to run at twice the speed of the original 68020 fitted the A1200. Obviously Motorola 68020's are getting pretty cheap these days...

Frighteningly, the Blizzard card ran faster than my A4000/030, which leads to me think (a) evil thoughts, and (b) the original A4000 isn't as good as I first thought it was. Perhaps CBM will send me a new A4000 Tower as a goodwill gesture.

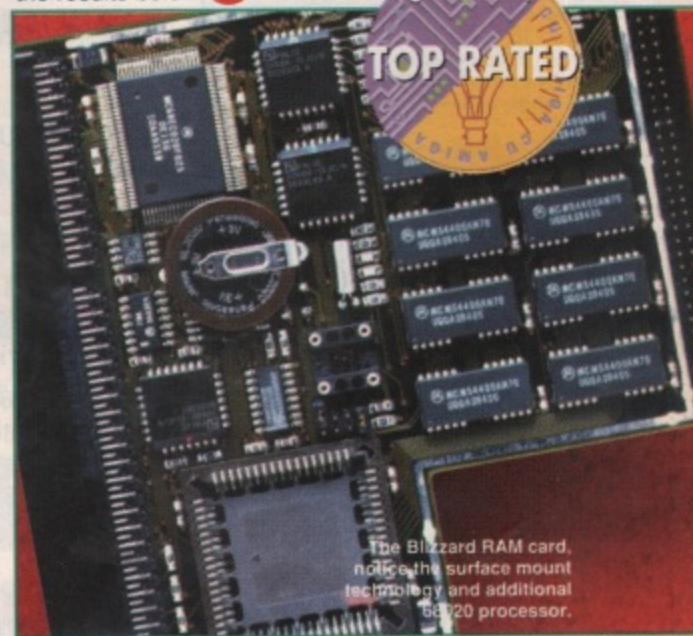
In conclusion, the Amitek HAWK is definitely 'just another memory board', and not a very good one at that. The Blizzard on the other hand gives some bargain 68030 cards serious competition. If you can live without the MMU which full 68030s come with, this could be best way to get A4000 performance from an A1200.

TEST DETAILS

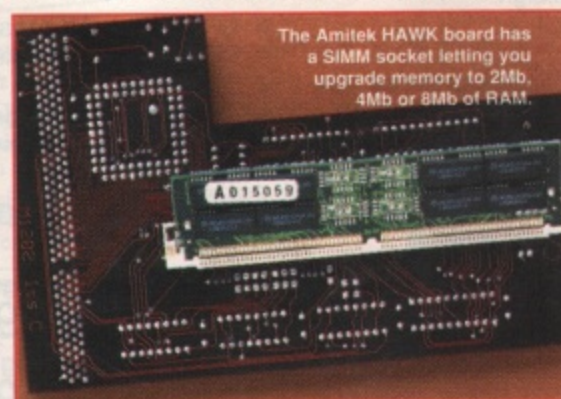
In the test on the right, both versions (Integer and FPU) of *Imagine* were used to render exactly the same image on various Amiga systems. The result given is the length of time in seconds which the computers took to perform the render. Amazingly, and to my great jealousy, the Blizzard

once again out performed my 68030 based A4000, rendering faster than it. With a FPU, the Blizzard would be unstoppable.

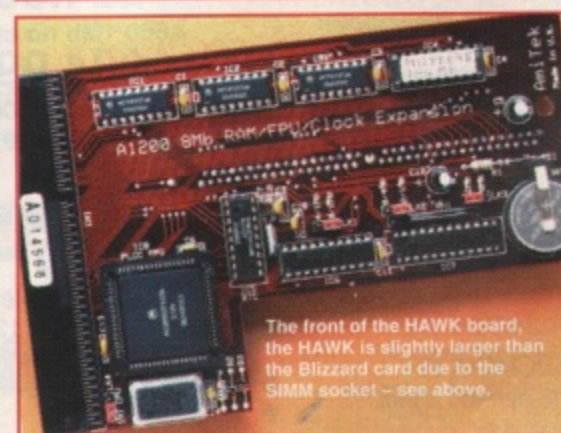
Sysinfo was used to obtain a MIPS (millions of instructions per second) and FLOPS (millions of floating point instructions per second) speed. *Sysinfo* was also used to measure the speed of the 3.5 inch hard drive fitted to the A1200. Note how extra memory increases the drive speed (bytes/second). Finally, check out the results below. **CU**



The Blizzard RAM card, notice the surface mount technology and additional 68020 processor.



The Amitek HAWK board has a SIMM socket letting you upgrade memory to 2Mb, 4Mb or 8Mb of RAM.



The front of the HAWK board, the HAWK is slightly larger than the Blizzard card due to the SIMM socket - see above.

Accelerator Cards

	Imagine		Sysinfo	
INT	FPU	MIPS	MFLOPS	HD KBytes/S
A1200	279	N/A	1.34	649
A1200Power	169	143	2.96	1,101
A1200Amitek	192	134	2.50	652
A1200Blizzard	96	N/A	5.05	1,139
A4000/030	110	088	4.43	N/A

TEST MACHINE SPECIFICATIONS:

A1200: Standard A1200 with no extra memory or FPU

A1200 Power: A1200 fitted with Power PC1204 card including 14MHz 68882.

A1200 Amitek: A1200 fitted with Amitek card with 33MHz 68882.

A1200 Blizzard: A1200 fitted with Blizzard 1220 card. No FPU available.

A4000: Standard A4000 with fast memory, 68030 and 25MHz 68882.

AMITEK HAWK, SILICA SYSTEMS

Prices range from £99 (1Mb RAM, no FPU) to £499 (4Mb RAM, 40MHz 68882 FPU)
Unit tested: 2Mb of RAM, 33MHz FPU - £199

70%

BLIZZARD 1220

Prices vary from £219.95 (4Mb RAM, no FPU) to £469 (8Mb RAM, 33MHz 68882 FPU)

Unit tested: 4Mb of RAM, no FPU - £219.95

92%

Ladbroke Computing



33 Ormskirk Rd,
Preston, Lancs,
PR1 2QP

Ladbroke Computing International are one of the longest established home computer dealers in the U.K. We have developed an extensive customer service policy which involves testing of all hardware prior to despatch to ensure that goods arrive in working order, offering free advice and support over the phone and keeping customers informed. Although our prices are not always the cheapest we do endeavour to offer consistently good service and backup.

All prices/specifications are correct at copy date 31/3/94 (while stocks last), and are subject to change without prior notice. All prices include VAT but exclude delivery.

How to Pay

You can order by mail Cheques/Postal Orders made payable to Ladbroke Computing. Or give your credit card details over the phone.

Delivery

Postal delivery is available on small items under £40 (Normally £3, phone for details). Add £7 for courier delivery. Next working day delivery on mainland UK subject to stock (£20 for Saturday delivery).

Open Mon-Sat 9.30am to 5.00pm.
Ladbroke Computing Ltd trading as Ladbroke Computing International.

Fax: (0772) 561071

Tel: 9am-5.30pm (5 Lines)

(0772) 203166

Printers



Star

Star LC100 Colour £129.99
Star LC24/30 Colour £209.99

- Built in 55 sheet feeder
- 24 Pin Colour
- Starjet SJ48 Bubblejet £210.00
- Star SJ144 £369.99
- Thermal max transfer colour printer
- 144 element head
- Glossy colour output
- 360 dpi resolution

Citizen

Citizen Swift 240 Colour £250.00
Citizen ABC 24pin Colour £179.99

Hewlett Packard

HP Deskjet 520 £279.99
HP Deskjet 310 £239.99

Lasers

Ricoh LP1200 £699.00

Add £3 for Centronics cable and £7 for next working day courier delivery.

GVP II Hard Drives



- Quantum SCSI Hard drive
- Ultra fast 11ms access
- Up to 8Mb RAM on board

SPECIAL OFFER

170MB NO RAM

£349

240MB NO RAM

£399

2Mb SIMM Upgrade £49.99
4Mb SIMM Upgrade £99.99

GVP 286 Emulator

- 16MHz 286 PC Emulator
 - Norton rating 15
 - Plugs into GVP II HD
- GVP PC-286 Emulator £89.00

Legend Trakball

- Ergonomic design
- 320 dpi resolution
- Easy to use
- Microswitch buttons

ONLY £29.99

GVP Genlock

- Video processor provides real time software control of brightness, contrast, saturation, hue, sharpness, filtering, gain etc.
 - Audio processor with two audio inputs, software switchable or mixable, with software control of Volume, Bass and Treble effects.
- G-LOCK Genlock £284.00

A1200 Hard Drives

Plugs into PCMCIA slot
Fully external, doesn't affect warranty

170Mb Overdrive £349.99
Phone for higher capacities.

Amiga Packs

Amiga 600 Wild/Wierd/
Wicked Pack £189.99
Includes A600 with 1Mb RAM.
A1200 Race & Chase £279.99
Includes A1200 with 2Mb RAM.
Trolls and Nigel Mansell
A1200 Desktop Dynamite £329.99
Includes A1200 with 2Mb RAM,
Digita Wordworth, Digita print
manager, Deluxe Paint IV, Dennis,
Oscar
Amiga CD32 £279.99
2Mb RAM. Dual Speed CD ROM.
Multi session, plays music CD's,
256000 colours on screen, includes
4 games, Oscar, Diggers, Wing
Commander, Dangerous Streets
Amiga 4000 030 £999.00
Includes A4000, 030 processor,
2Mb Chip RAM, 80Mb Hard drive.



Eclipse Mouse

- 290dpi resolution
- 2 Microswitched buttons
- Opto/Mechanical mechanism
- Switchable between Amiga/ST
- Direct Mouse Replacement

Eclipse Mouse

£11.99

Floppy Drives

- 880K formatted capacity
 - Double sided, Double density
 - Through port
- Amitek 1Mb external drive £59.00
Amiga 500 internal drive £49.99

RAM Upgrades

A500 512K upgrade
£16.99

A500+ 1Mb upgrade
£24.99

A600 1Mb no clock
£34.99

Plugs straight into A600 trap door
compatible with A600, A600HD

A1230 Accelerator

- 40MHz 68030 accelerator
 - Makes your Amiga 1200 run over 7 times quicker.
 - Allows up to 32Mb RAM
 - Optional FPU
- A1230/0Mb/No FPU £289.00
A1230/4Mb/No FPU £429.00
A1230/4Mb/68882 FPU £529.00

Monitors



Samsung C13352X £169.99
14" SCART input TV with remote
control and on screen display
(requires SCART cable for high
quality display)
Commodore 1085S £189.99
Commodore Colour Stereo
Monitor including cable
Microvitec 1438 £289.99
The Microvitec 1438 is a multisync
monitor compatible with the A500+
A600, A1200. Requires Amiga VG
Adaptor
Colour SVGA Monitor £229.99
High quality Colour SVGA Monitor
.28 dot pitch.
Amiga VGA adaptor £9.99
Falcon VGA Adaptor £9.99
Philips SCART to Amiga
8833 MKII to Amiga £9.99

Falcon 030

- 16MHz 32 bit 68030 Central Processor, 16MHz Blitter, 32MHz 56001 Digital Signal Processor
 - 1.44Mb 3.5" Floppy, up to 14Mb RAM. Displays 65536 colours from 262144 palette
 - 8 Channel, 16 bit, high quality Stereo sound sampling
- FALCON 1Mb No HD £499.00
FALCON 4Mb No HD £699.00
FALCON 4Mb 64Mb HD £799.00
FALCON 4Mb 127Mb HD £899.00
FALCON 4Mb 209Mb HD £999.00
Falcon Screen Blaster £89.00

Repair Services

Our Service department can repair Amiga's in minimum time at competitive rates. We can arrange for courier pickup and return delivery of your machine to ensure it's safety. We even have a same day service which will ensure your machine is given priority and subject to fault, completed the same day. We offer a Quotation service for £15 for which we will examine your machine and report back with an exact price for repair. If you do not wish to go ahead with the repairs then just pay the £15. However, if you do go ahead then the charge is included in the minimum charge. Please note: The minimum charge covers labour, parts are extra.

Quotation service £15.00
Min repair charge £35.00
Courier Pickup £11.00
Courier Return £7.00
Same day service £15.00

AMIGA A500 AND PLUS CONSOLE UNIT

● Monitor console and keyboard unit ● No hard drive restrictions ● Power supply or modulator space ● Keeps cables tidy ● Non magnetic aluminium ● High quality texture finish ● Plenty of ventilation ● Installed in minutes ● Designed specifically for the A500 and 500+ ● A real space saver! - Thousands of satisfied customers



Only
£34.95
incl P&P

Only
£37.50
incl P&P



A1200 CONSOLE UNIT

Monitor console and keyboard unit ● Second drive space ● Power supply ● Keeps cables tidy ● Non-magnetic aluminium ● High quality texture finish ● Plenty of ventilation ● Installed in minutes ● Designed specifically for the A1200

KONTAX COMPUTERS

11a Waldeck House, Waldeck Road,
Maidenhead SL6 8BR



0628 773212

Phone lines manned between 8.00am - 9.00pm
(No ansaphone!)

ONE PIECE DUST COVER ALSO AVAILABLE - PLEASE CALL

LOWEST PRICED TOP QUALITY RIBBONS, INKJETS, TONERS & DISKS

Printer Ribbons

BLACK	1 off	2+	5+	10+	BLACK	1 off	2+	5+	10+
Amstrad DMP 2000/3000	2.80	2.65	2.45	2.25	Panasonic KXP1123/1124/1140	3.46	3.31	3.11	2.91
Amstrad DMP 4000	3.66	3.51	3.31	3.11	Panasonic KXP1080/1180/90/1592	2.89	2.74	2.54	2.34
Amstrad PCW8256/8512/LQ3500	2.85	2.70	2.50	2.30	Panasonic KXP2123/2180	5.75	5.60	5.40	5.20
Brother M1009/1024/1109/1209	3.90	3.75	3.55	3.35	Seikosha SL90/92/95	5.70	5.55	5.35	5.15
Citizen 1200/LSP10/24/9	2.85	2.70	2.50	2.30	Star LC10/20/100	2.29	2.14	1.94	1.84
Commodore MPS1220/1230	4.50	4.35	4.15	3.95	Star LC200	3.00	2.85	2.65	2.45
Epson LQ100	4.10	3.95	3.75	3.55	Star LC24-10/200	2.86	2.71	2.51	2.31
Epson LQ400/500/800/850	3.45	3.30	3.10	2.90	Taxan Kaga KP810/815/910/915	3.14	2.99	2.79	2.59
Epson FX/MX/RX80/FX/LX800	2.90	2.75	2.55	2.35					
Epson FX/MX/RX100/FX/MX1000	3.36	3.21	3.01	2.81					
Epson LX80/86/90	2.12	1.97	1.77	1.67					
Mannesmann Tally 80/81	3.90	3.75	3.55	3.35					
NEC Pinwriter P2200	3.03	2.88	2.68	2.48					
OKI ML182/183/192/193/195	3.17	3.02	2.82	2.62					

Ring for Ribbons Not Listed

Ring us and WE WILL BEAT all other Ribbon prices

3 1/2" Disks & Disk Boxes

DS/DD DS/HD	100 Cap. Lockable Disk Box
10 Disks \$5 \$8	\$5.99
25 Disks \$12 \$18	with orders of \$10+
50 Disks \$21 \$31	
100 Disks \$36 \$56	
250 Disks \$83 \$128	
500 Disks \$162 \$238	

Preformatted (MS-DOS) disks available at 2p extra/disk.

All Disks Certified 100% Error Free and INCLUDE FREE Labels.

Miscellaneous Items

Roll 1000 3 1/2" Disk Labels	8.99	CPU & Monitor Dust Cover	5.49
3 1/2" Disk Cleaning Kit	2.99	Monitor Dust Cover	4.99
Parallel Printer Cable (1.8m)	3.99	80 Column Printer Dust Cover	3.99
Mouse Mat	2.99	Amiga 500 Dust Cover	3.99
		Amiga 600 Dust Cover	3.99
		Amiga 1200 Dust Cover	3.99

Inkjets, Ink Refills & Toners

Canon BJ-10/20 Cartridge	17.54 each
Commodore MPS1270 Cartridge	12.13 each
HP Deskjet Cartridge (Double Cap.)	24.24 each
HP Deskjet Tri-Colour Cartridge	28.89 each
HP Thinkjet/Quickjet Cartridge	12.13 each
HP Deskjet Tri-Colour Cartridge Refill	16.00 each
Inkjet Refills (Twin Packs) for Canon BJ-10/20, BJ300, HP Deskjet. Available in Black, Cyan, Magenta, Yellow, Red, Blue, Brown, Light Green, Dark Green and Gold.	
1 Pack \$11.00, 2+ Packs \$10.60 ea, 5+ Packs \$9.95 ea	
HP Laserjet II/III Toner Cartridge	44.51 each
HP Laserjet IIP/IIIP Toner Cartridge	53.14 each

Ring For Inkjets & Toners Not Listed

All Prices INCLUDE VAT (@ 17 1/2%) & UK Delivery

0543 250377

0543 250377



Ring us or send cheques to:

Owl Associates Ltd, Dept 210, Owl House,
5 The Brambles, Lichfield, Staffs WS14 9SE

Official Government & Educational orders welcome

E & OE

Reach the top with

LCL Self - Tuition

GCSE Language courses that speak!

Totally Comprehensive Courses (each is a compilation of 24 programs with a book and manual).
Of excellent quality (e.g. '...a very recommendable edutainment program ...' AMIGA USER INTERNATIONAL)

MICRO FRENCH (Beginners - GCSE)

Complete course of spoken and written French of 24 programs. It includes real speech on disk - so for example, in one program you see a large, cute cartoon Frenchman who speaks to you with his mouth moving as he talks. It demystifies French and makes it fun.

24-Program course includes:

- Pronunciation
- Colours
- The articles
- er verbs
- Wordsearch in French
- ir verbs
- Learning by pictures
- re verbs
- Signs and notices found in France
- oir verbs
- Plurals
- Time
- 'Tour de France' adventure game
- Oral exam
- Commands
- Adjectives
- Future tense
- Listening
- Perfect tense
- Imperfect tense
- Opposites
- Newspaper
- Direct object pronouns
- Role-Play

MICRO SPANISH (Beginners - GCSE & Business)

24 Programs ● Real speech ● Graphics adventure game ● Talking cartoon ● Business letter generator (1Mb) etc.

MICRO GERMAN (Beginners - GCSE & Business)

24 Programs ● Real speech ● Graphics adventure game ● Business letter generator (1Mb) etc.

MICRO ENGLISH (8 years - GCSE)

24 Programs ● Spelling (by speak and spell & by pictures) ● Punctuation ● Grammar ● Literature etc.

NEW

NEW! Computer Talks

NEW! Computer Talks

NEW Maths & Science Revision

MICRO MATHS (11 years - GCSE)

Helps you pass your GCSE and covers:

- Percentages & Fractions
- Averages & Histograms
- Ratio and proportion
- Number
- Mensuration
- Polygon properties
- Simple algebraic equations
- simplification in algebra
- Simple and compound interest
- Solution of triangles
- Profit and loss
- Similar triangles
- Geometry of the circle
- Applications of Pythagoras theorem
- Trigonometry
- Factorisation of Algebra equations
- Graphs
- Simultaneous equations
- Indices in Algebra
- Indices in Arithmetic
- Vectors
- Matrices
- Probability

MICRO SCIENCE (Physics, Chemistry & Biology 8yrs - GCSE)

24 Programs e.g. Tuition ● Practical Experiments ● Learning by Pictures ● Adventure game etc. (1Mb)

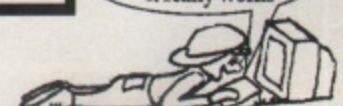
PRIMARY MATHS COURSE (8-12 years)

24 Programs e.g. Tables ● Add ● Subtract ● Divide ● Multiply (Long & Short) Fractions etc.

MEGA MATHS (A level course)

24 Programs e.g. Calculus ● Algebra ● Geometry ● Full screen graphs etc

It's fun & it really works



£5 OFF TOTAL FOR 2 COURSES, £10 OFF FOR 3, £17 OFF FOR 4

(*All appropriate LCL Courses are National Curriculum compatible & run on almost all Computers)

£24.99 per course. Cheques or P.O. payable to "LCL"

NO NEED TO PHONE AROUND - We are always in stock. Free Catalogue with all Orders.
LCL (DEPT CU) THAMES HOUSE, 73 BLANDY ROAD, HENLEY-ON THAMES, OXON RG9 1QB

Phone 0491 579345 & it will be sent within 24 hours



Sharp DV-3750H colour TV

Andy Leaning looks at a cheap alternative to buying a flash and expensive monitor.

Does your family take particular satisfaction in watching *Eastenders* when you really need the TV to play *Chaos Engine* on your CD32 or write a letter to the *Frontier* fan club on your A1200? Yes? Then why not kill two birds with the one stone and invest in a secondary TV. You'll be able to play and watch what you like – and tell your siblings to get lost whenever they want to watch it. With this in mind I took it upon myself to check out one of the sharpest TVs available, the Sharp DV-3750H TV.

It would be wrong to describe this Sharp unit as a dedicated display for the Amiga, or even a monitor, it isn't. It is a ordinary, low cost TV that is now available from many Amiga dealers. And as such it can be used as a secondary TV as well as a display for your Amiga.

Setting it up is fairly straightforward. Plug it in using either a normal RF/aerial cable or the supplied Scart lead. Using the Scart lead is

MICROVITEC 1438 MONITOR

Since Christmas there hasn't been very many new Amiga compatible monitors available – in fact there's been none! Now however, a UK based monitor manufacturer has produced a monitor capable of working on all machines. Andy Leaning tried it out.

If you've tried to buy a monitor recently you'll have hit a slight snag. That aren't any! Stalwarts of the low resolution Amiga market, the 1048S and Philips 8833, aren't available any more, neither are the AGA hugging 1940 and 1942 models.

So what can you get instead? Well, since Christmas there hasn't been an obvious alternative. Sure, you could get hold of PC SVGA/EGA thingy monitors but trying to use these in low resolutions on an Amiga will prove troublesome.

Now, however, MicroVitec are making a concerted push into the Amiga market, with a monitor suitable for any Amiga. But is this *MicroVitec 1438* monitor any good?

MONITOR MONSTERS

Unless you happen to be wearing a NASA radiation suit, don't even consider using a monitor. Yes, the radiation levels coming out the back of your monitor will distort your DNA and turn you into a hideous monster the like of which could only be matched in the ugly stakes by our very own Tony Dillon!

Seriously, the rumours regarding the amount radiation coming out the back of monitors have been doing the rounds almost as long as monitors have been used! In reality, monitor radiation is far less serious than most people believe. But if you are worried about such things, or environmental concerns, you'll be pleased to know that the MicroVitec addresses several of these issues and complies with the Swedish MPR II standards for environmental standards. It has also passed stringent tests by the EEC (directive 90/270/EEC, passing both EW 29241 Part 3 and 2H1-618 if you're interested).

HEY GOOD LOOKING

Well, where looks are concerned it's certainly no super model, but it's also no worse than any other monitor on the market. It quite happily sits on top of an A4000, and whilst being slightly larger than the now sadly extinct 1084, it should fit on most tables, computer desks and shelves (or whatever else your Amiga is used on). Its colour scheme (being white-with-a-hint-of-Commodore-Grey) will go nicely with most Amigas, whilst the tilt and swivel base will allow you to position the screen conveniently for most locations.

Connecting it to the Amiga is slightly more difficult than other monitors but is still easy enough for even the most inexperienced of users to handle. However, the monitor was designed for use with

SILICA £299

A500	✓	A500+	✓	A600	✓	A1200	✓
A1500	✓	A2000	✓	A3000	✓	A4000	✓

SILICA SYSTEMS, 1-4 THE MEWS, HATHERLY ROAD, SIDCUP, KENT, DA14 4DX. TEL: 081 309 1111, OR MOST OTHER DEALERS.

EASE OF USE ♦♦♦♦♦♦♦♦80%

You shouldn't need to mess around with adaptors when you're paying £300. Otherwise very straightforward.

VALUE FOR MONEY ♦♦♦♦♦♦♦♦90%

Not brilliant, but good value for money, and pretty cheap compared to what you could end up paying.

EFFECTIVENESS ♦♦♦♦♦♦♦♦85%

Does what you'd expect and does it well, although it should have internal speakers.

FLEXIBILITY ♦♦♦♦♦♦♦♦85%

Handles all Amiga screen resolutions, what more could you want?

INNOVATION ♦♦♦♦♦♦♦♦80%

Doesn't really break any new ground, but then what can you do with a monitor as far as R&D is concerned?

Any Amiga owner would appreciate this monitor. Solid, reliable performance: does everything you'd want.

OVERALL 84%

recommended as this will give better quality pictures than a normal aerial cable. You'll also have to use the Scart connector if you have a higher end Amiga, such as an A4000, as these don't have TV modulators (the slot where the aerial cable normally goes).

This is really a television, which means that it doesn't automatically display the pictures from your Amiga. To do this you must first tune it in. This isn't hard to do (it's the same as having to tune in a video recorder) as the remote control has buttons for searching and it's simply a process of selecting the auto channel search and letting it hunt through the various channels until you can see the Amiga display and hear the sound. Then all you need do is fine tune the picture (although this may not be necessary) to give the best results and you're away.

Given the higher price of this unit compared with cheaper models available it would have been nice to see some kind of channel numbering indicator while searching, instead of the naff on-screen display which simply consists of a row of dots, along which an indicator bar moves as it changes channels — I mean, it could be a lot more informative.

ARTHUR, MICHELLE...

Having tuned in there's not a lot else to it. Contrast, Colour, Brightness and a picture sharpen mode (picture tone) can all be controlled via the remote control, but there aren't any buttons on the front of the set. This last point actually proves quite annoying after a period of time as you often need to change the brightness and contrast and rather than just leaning forward and pressing the button, you

need to keep the remote control close by. Given the intended use with an Amiga, and that most users will therefore be using it at close range (and would simply be able to lean forward to change the contrast etc) it is strange that most dealers have chosen a TV that doesn't have these controls within easy reach, requiring instead, as it does, you have to hunt around for a remote control, which will frequently disappear under a desk of paper work!

The pictures are bright and clear, and the sound respectable. The only slight niggle I had concerned the sound. It was a little tinny and lacked depth. Also, the review sample had a minor fault in the tube producing a slight blurring at the top of the picture but this glitch was only present on the first review sample and didn't appear on others I checked. Other than that there was little to fault with this product.

GRANT AND PHIL

This Sharp TV presented me with a problem. How can I describe it? It offers pretty standard picture quality (for a TV), reasonable sound reproduction (if a little on the tinny side) and is fairly simple to use.

If you're in the position of sharing the family TV, and the evening entertainment is a choice between *Eastenders* and *Microcosm* then the Sharp TV could be the answer. It provides a simple, cheapish, alternative to the main family box, and in this light does all it sets out to. As long as you don't buy it expecting to get a display that's superior to a TV's then you won't be disappointed. **CU**

FIRST COMPUTER CENTRE £184

A500 ✓ A500+ ✓ A600 ✓ A1200 ✓
A1500 ✓ A2000 ✓ A3000 ✓ A4000 ✓

UNIT 3, ARMLEY PARK COURT, OFF
CECIL STREET, STANNINGLEY ROAD,
LEEDS LS12 2AE. TEL: 0532 319444

EASE OF USE

◆◆◆◆◆◆◆◆◆◆70%

Lack of controls on the front of the monitor proves annoying and it should really come pre-tuned.

VALUE FOR MONEY

◆◆◆◆◆◆◆◆◆◆70%

A little expensive compared to some of the TVs available from high street multiples, but not excessively so, and it has the advantages of a Scart socket which is often missed on cheaper TVs.

EFFECTIVENESS

◆◆◆◆◆◆◆◆◆◆95%

It does its job fair and simple, and does it well.

FLEXIBILITY

◆◆◆◆◆◆◆◆◆◆80%

It's a TV, it's a monitor, what more do you want! Suitable for all types of serious application.

INNOVATION

◆◆◆◆◆◆◆◆◆◆70%

Nothing new or exciting.

**A good, solid, secondary TV
suitable for use with an
Amiga. No more, no less.**

OVERALL

80%

PC, which explains why the cable coming from it has a 15-pin D type plug on the end (standard for PCs) which won't directly fit into the Amiga 23-pin monitor port. To solve the problem a conversion cable is included, which goes between the two, providing a 23-pin plug that can then be fitted into the Amiga's monitor port — just fit the conversion cable in place and away you go.

In display terms the monitor can handle all Amiga display resolutions, from low res, through ECS productivity, and up to and including AGA resolutions. As such it is a considerable improvement upon the 1084 and 8833 (which couldn't handle the new AA chipset resolutions of the A1200 and A4000), whilst also offering a slight improvement over the later Commodore 1940 and 1942 models which couldn't handle the Super 72 mode.

IT'S ALL CLEAR!

But what about picture quality? Well, the .28 dot pitch ensures that all pictures are crisp and sharp, which means that gamers will appreciate the clear, well-defined detail on screen and clean colours. Serious users will find the quality even more pleasing, with all resolutions displayed sharp and well focused.

For reliability and stability we chucked the monitor through a battery of tests to identify various flaws in the monitor's design. These all showed that the 1438 is built to a good standard. Intensity, image size regulation and colour accuracy trials all produced results that more expensive monitor manufacturers would be pleased with.

The only minor glitch in the display was that monitor tube produces a slightly dark image, resulting in slightly dim colours, but this can be corrected by increasing the brightness. Overall, colours and picture quality are clear, sharp and clean.

I CAN'T HEAR YOU!

One major omission in the 1438's specification is speakers, or rather lack of them. This isn't really surprising as it was originally designed for the PC market and as basic PCs don't have very good sound capabilities PC monitors haven't until very recently needed them.

On the Amiga, however, it's a different story, and any Amiga monitor should have built-in speakers. However, don't give up just yet. Most dealers that are selling the MicroVitec are providing speakers with it, and in several cases they are including them free, so you'll still be able to hear the latest CU AMIGA *OctaMed* samples on on cover disks!

THE FINAL PICTURE

This is a fine monitor with decent picture quality. It does practically everything you'd hope for and its internal circuitry is well put together. It is also priced very fairly for what it offers. It would have been nice to have built in speakers, but as some Amiga dealers provide external speakers with it at no extra cost anyway this isn't a big problem. All in all this is a peripheral that's worth purchasing in a monitor starved world. **CU**



VOTED BEST DEALER
CU AMIGA JAN 93

FIRST
COMPUTER CENTRE

OPEN 7 DAYS A WEEK
OPEN MON - SAT 9.30AM-5.30PM
SUNDAY OPENING 11.00AM-3.00PM
THURSDAY NIGHT LATE... 9.30AM-7.30PM
OPEN HALF DAY MOST BANK HOLIDAYS

TELEPHONE LEEDS
24 HOUR MAIL ORDER SERVICE 6 LINES!
0532 319444
FAX: 0532 319191

SHOWROOM ADDRESS:
DEPT. CU, UNIT 3, ARMLEY
PARK COURT, OFF CECIL ST,
STANNINGLEY RD, LEEDS,
LS12 2AE

HOW TO ORDER
Order by telephone quoting your credit card. Please make cheques payable to the: "FIRST COMPUTER CENTRE."
In any correspondence please quote a phone number & post code. Do not forget to include the delivery tariff & Dept. code. Allow 5 working days for cheque clearance.

- All prices include VAT @ 17.5%
- Finance available, phone for details
- Large showroom with free parking
- Overseas orders taken
- Educational orders welcome
- Established Multi million pound company

UK MAINLAND DELIVERY TARIFFS

- Standard Delivery £1.50
- Guaranteed 2 to 3 day (week days) Delivery £2.95
- Guaranteed Next Day (week days) Delivery £4.95

AMIGA REPAIR CENTRE
We offer a FREE quotation on your Amiga or any peripheral (monitors, printers etc). A delivery tariff of just £5.00 is charged or alternatively you can visit our showroom. We can also arrange a courier pickup at an additional cost of £11.00.

EASY ACCESS FROM M62, M1 and the A1

From the M62 take the M621 and follow the turnoff for Leeds/York. This will merge with the Armley gyratory.
From the M1 follow signs for the M621 (ignore exit for town centre). Take A643 Elland Rd turnoff from M621. Follow signs for A58. This merges with Armley gyratory.
From the A1 take the turnoff for the A64. This merges with the A58 (by-passing Leeds town centre) which meets the Armley gyratory. After "Living World" at traffic lights take a right, left, left again, & 2nd left to get to FCC.

We recommend you confirm prices before placing an order. E&OE.

AMERICAN EXPRESS **SWITCH** **MasterCard** **VISA**

2% surcharge on AMEX

FIRST COMPUTER CENTRE (LEEDS) Tel: 0532 319444

CD ROM Drives

Internal SCSI CD-ROM drives for the A1500/2000/4000 (with suitable SCSI interface). All drives include driver software & will read both CDTV / CD32 & PC ISO 9600 standard disks. External kits for A3000 also available

NEC Multispin 2XI Internal £194.99
● 265Ms Access time ● 355KB transfer rate

TEAC CD-50 Internal £339.99
(Amiga 1500/2000 compatible only)
● 320Ms Access time ● 300KB transfer rate

TOSHIBA XM3401 Internal £321.99
● 200Ms Access time ● 330KB transfer rate

TOSHIBA XM4101
● 385Ms Access time ● 300KB transfer rate
Internal £219.99 External £314.99

Mitsumi LU0005 single Speed... £99.99
Mitsumi FX001 ID Dual Speed... £169.99
Tandon IDE CD ROM Controller for use with Mitsumi only... £69.99
GVP A4008 SCSI controller... £122.99

NEW! FIRST Comm Bulletin Board

Why not place your orders on our new Bulletin board.
First Comm is however not just a means of ordering, it also gives you access to read or download technical support files and advice.
Tel. 0532 637988

Wordworth 2 Special offer
only £19.99 when you purchase any printer.

The AMIGA A1200
A1200 Standard pack only £259.99
without games software

Computer Combat pack only £334.99!
with Total Carnage, Brian the Lion, Zool 2, Wordworth 2, Print Manager, Day by Day, Personal Paint 4

RACE & CHASE pack only £289.99!
with Nigel Mansell F1 and Trolit

DESKTOP DYNAMITE pack
with Wordworth 2 AGA, Print Manager, DP4 AGA, Dennis and Oscar only £329.99

HARD DRIVE VERSIONS
STD pack R&C pack D/D pack

64Mb... £419.99... £439.99... £489.99
85Mb... £479.99... £489.99... £537.99
127Mb... £499.99... £519.99... £564.99
209Mb... £569.99... £589.99... £629.99

THE CHAOS PACK!

- CHAOS ENGINE
- NICK FALDO CHAMPIONSHIP GOLF
- PINBALL FANTASIES
- SYNDICATE

only £29.99 or £19.99
with any AMIGA!

The AMIGA 4000

A4000/030, 80 Mb HD... £1009.99
A4000/030, 130 Mb HD... £1114.99
A4000/030, 214 Mb HD... £1174.99
A4000/030, 540 Mb HD... £1469.99

A4000/40
A4000/040LC, 120 Mb HD... £1569.99
A4000/040LC, 214 Mb HD... £1614.99
A4000/040LC, 540 Mb HD... £1859.99

A4000/40 SCSI Tower
A4000/040TW, 214 Mb HD... £1959.99
A4000/040TW, 525 Mb HD... £2254.99
A4000/040TW, 1GIG HD... £2549.99

All the above examples come with 6 Mb of RAM as Standard
*The hard drive only is not covered by on site warranty

A600 & 1200's 2.5" HD kits

*Just Add £10.00 for fitting

60Mb... £134.99 120Mb... £219.99
80Mb... £159.99 250Mb... £309.99

3.5" H/drive upgrade kit no HD only £22.99

PRIMA A1200 REAL TIME CLOCK
Date & time stamp files. Fits directly onto motherboard with no soldering
check for compatibility **only £13.99!**

PRINTERS

All our printers are UK spec, come with ribbon/toner, printer drivers (if available), paper & cables!!

Canon

Canon BJ10sx... £182.99
Laser quality output. Large buffer

Canon BJ200... £231.99
3 page a min speed, 360 dpi, small footprint & 80 page sheetfeeder

Canon BJ230... £319.99
wide carriage version of above

Canon BJ300... £419.99
Desktop bubble jet with laser quality

Canon BJ330... £464.99
Wide carriage version of the BJ300

Canon BJC600 Colour... £532.99
new bubble jet from Canon

BJ10 Autosheetfeeder... £49.99

NEW LOW PRICES

CITIZEN
COMPUTER PRINTERS

Citizen printers have a 2 year guarantee

New! ABC Colour printer... £154.99
simple (as easy as ABC) to use 24 pin printer. Comes as standard with 50 sheet Auto sheet feeder.
Tractor feed optional at £27.99
only £139.99 if bought without the colour option

Swift 90 Colour... £156.99
Excellent value 9 pin colour. Highly recommended

Swift 200 Colour... £181.99
Same out put as the 240 but with less facilities

Swift 240 Colour... £218.99
24 pin, 240cps draft, 10 fonts, quiet mode, 240cps.

Project II... £254.99
new inkjet printer with built in auto sheet feeder

Swift Auto Sheet feeder... £79.99

HP HEWLETT PACKARD

HP 310 Portable... £229.99
NEW! HP 520 mono... £249.99
HP 500 Colour... £344.99
NEW! HP 560 Colour... £499.99
even faster than the old HP550C!!

All HP printers come with a 3 year warranty

NEW LOW STAR PRICES

Star
COMPUTER PRINTERS

Star LC100 colour... £119.99
9 pin colour, 8 fonts, 180 cps draft, 45 cps NLQ

Star LC24-100 Col... £126.99
Star LC24-30 Col... £199.99
complete with automatic sheet feeder, 192 cps draft

Star LC24-300 Col... £249.99
24 pin quality, 264 cps draft, 80 cps LQ, 39K buffer expandable to 48K, 16 fonts and quiet mode.

Star LC24-200 colour... £219.99
Colour version with 30K buffer expandable to 62K

Star SJ48 Bubble jet... £209.99
Laser quality, ultra quiet, Epson compatible & portable

NEW! Star SJ144 Colour Thermal
Stunning affordable colour printer. 3 PPM, low running costs
only £349.99

Star SJ48 Autosheet feeder
only £49.99

Univdrsal Printer Stand... only £4.99

PRINTER CONSUMABLES

RIBBONS

Citizen Swift mono ribbon... £4.99
Citizen Swift Colour ribbon... £13.99
Star LC100/100 mono... £3.69
Star LC200 mono... £4.99
Star LC100/100 colour... £7.99
Star LC200 colour... £12.99
Star LC24-30 mono... £8.99
Star LC24-30/200 Colour... £11.99
Re-Ink Spray for mono ribbons... £11.99

COVERS

Star LC100/20 cover... £4.99
Citizen Swift/ABC... £5.99
HP 500/550/510... £5.99
Star LC100/200... £5.99
Star LC24-300/30... £5.99

PAPER
prices apply only when ordered with printer or purchased direct from the showroom

Fanfold (tractor feed)... 500 sheets... £4.99
Fanfold (tractor feed)... 1000 sheets... £8.99
Fanfold (tractor feed)... 2000 sheets... £17.99
Single sheet... 500 sheets... £4.99
Single sheet... 1000 sheets... £8.99
Single sheet... 2000 sheets... £17.99
Delivery for 2000 sheets £5.00 when purchased without printer

SUPRA MODEMS

SupraFAX Modem 288
NEW Super fast! 28,800 bps + 14,400 bps
Phone for more details **only £299.99**

SupraFAX Modem 144
V.32 bis (14400 baud !)
Low cost version of the classic V32Bis Fax modem. Features as below but class 1 fax only and LED display
only £159.99

SupraFAX Modem V.32
This modem has full 14400 baud. Includes V.32bis, V.32, V.22bis, V.22, V.21, MNP2-5, V.42, V.42bis, Class 1 & 2 commands, 9600/14400 Group 3 Fax. Includes free modem comms (not Fax) s/w & cable.
only £209.99

SupraFAX Plus... £119.99
Even faster than the standard 2400 from Supra. auto dial & auto receive. 9600 bps Hayes comp. V.22Bis, V.42 Bis, MNP 2-5 & auto adjust to maximize transmission speeds. Includes free modem comms (not Fax) s/w & cable.

Supra 2400... £64.99
Get on line using this great value fast modem. auto dial & receive. 2400 baud Hayes comp. V.22Bis. Includes free modem comms s/w & cable.

Supra modems are not BABT approved, however they perform as well & often out perform BABT approved modems. Supra Modems have a 5 year limited warranty.

USRobotics
WE ARE PREFERRED USR DEALERS

Sportster 2496 + Fax... £145.99
Sportster 14400 Fax... £189.99
WorldPort 14400 + Fax... £251.99
Courier HST (16.8)... £469.99
Courier V32bis Terbo + Fax... £449.99
Courier HST/Dual 16.8 Fax... £486.99
Courier HST/Dual 16.8 Terbo Fax... £556.99

If you thought V32bis was fast try the terbo! The come with a 5 year warranty & are BABT Approved

MONITORS

All our monitors are UK spec. All monitors come complete with a free Amiga lead*

Sharp TV/Monitor £184.99
includes remote control, stereo sound

Microvitec 14" Multisync
1 year warranty... £399.99
*free cable for A4000 only. A1200 cable £6.99 extra

NEW! Microvitec Autoscanner 1438
.28 dpi, 15/38 KHz, all Amiga modes, AGA comp. no audio, tilt & swivel stand.
now only £289.99

NEW! Acorn AKF40... £249.99
Stereo, colour monitor with similar spec to the Philips 8833 and Commodore 10845

PREMIER Ink Cartridge Refills

Save a fortune in running costs with your ink bubble jet. Compatible with the HP500/550 Deskjet Plus, Canon BJ10/20/80/130/200/300/330 Star SJ48, Citizen Project and many others. Full range of colours available.

Single refills (22ml)... £6.99
Twin refills (44ml)... £12.99
Three colour kit (66ml)... £19.99
Full colour kit (88ml)... £27.99
Bulk refills (125ml)... £24.99

Cartridges

Canon BJ10 cartridge... £18.99
Double life 500 cartridges... £24.99
HP550/500 Colour cartridge... £24.99
Star SJ48 cartridge... £18.99
Star SJ144 cartridge (pack of 3)... £42.99
Star SJ144 mono cartridges (3 pack)... £21.99
Star SJ144 colour cartridges (3 pack)... £21.99

Miscellaneous

Printer Switch Box 2 way... £12.99
Printer Switch Box 3 way... £17.99
Printer Stands (Universal)... £7.99
3 Metre printer cable... £8.99
5 Metre printer cable... £8.99
10 metre printer cable... £12.99

PRIMA A500 & A600 RAM

3 YEAR WARRANTY!!

A500 512k RAM
expansion (no clock).....£19.99

A500 Plus 1 Mb RAM
expansion.....£34.99

A600 1 Mb RAM expansion
(with clock).....£39.99

32 BIT RAM (for A4000 etc)

1 Mb SIMM.....£39.99

2 Mb SIMM.....£95.99

4 Mb SIMM.....£152.99

8 Mb SIMM.....£309.99

RAM & CUSTOM CHIPS

SPEED	PLCC	PGA
25 Mhz	£53.99	£69.99
33 Mhz	£71.99	£91.99
50 Mhz	N/A	£137.99

1 Mb by 8/9 SIMMS (1 Mb).....£34.99

4 Mb by 9 SIMMS (4 Mb).....£144.99

1 Mb by 4 DRAMS (1 Mb).....£39.99

1 Mb by 4 ZIPS (1/2 Mb).....£22.99

256 by 4 ZIPS.....(each) £5.99

256 by 4 DRAM (DILs).....(each) £5.99

OKB 1202 A1200 RAM board.....£84.99

takes 2 32 bit SIMMs. Has an optional FPU. See above for prices

Kickstart 1.3.....£19.99

Kickstart 2.04.....£24.99

Kickstart 2.05 (for use in A600).....£26.99

Fatter Agnes 8372A.....£26.99

Super Denise.....£18.99

571-0326 Keyboard controller.....£13.99

CIA 8520A I/O controller.....£8.99

AMIGA 1200 RAM

HAWK CO-PR & RAM

Realise the full potential of your A1200 with this trapdoor expansion. inc real time clock

1 MB RAM.....£98.99

2 MB RAM.....£134.99

4 MB RAM.....£198.99

8 MB RAM.....£394.99

1 MB & 20 MHz CO PRO.....£147.99

2 MB & 33 MHz CO PRO.....£198.99

4 MB & 40 MHz CO PRO.....£294.99

8 MB & 40 MHz CO PRO.....£494.99

FULL 2 YEAR WARRANTY

SUPRA A500 RAM

Only the Best! Fits onto the side expansion port Auto configures with no software patching

1 Mb pop to 2 Mb.....£159.99

2 Mb pop to 4 Mb.....£214.99

4 Mb pop to 8 Mb.....£319.99

8 Mb pop to 2 Mb for 2000/1500 range.....£149.99

GVP PRODUCTS

A1200 Products

33 Mhz 68882 for A1200 SCSI/RAM.....£77.99

External SCSI kit SCSI/RAM.....£47.99

NEW! A1230 MK II Accelerator Board

Speed	RAM	FPU	Cost
40	0	0	£244.99
40	4	0	£437.99
40	4	40	£535.99
40	8	0	£634.99
50	0	0	£369.99
50	4	0	£564.99
50	4	50	£664.99
50	8	0	£759.99

A1500/2000/4000 Products

HC8+0Mb drive.....£122.99

HC8+42Mb drive.....£197.99

HC8+120Mb drive.....£299.99

HC286 Emulator for HD8+/A530.....£99.99

G-Force 030 40 Mhz 4Mb RAM.....£599.99

Hard Drive mounting kit for G-Force.....£34.99

GVP Simms

1 Mb.....£64.99

4 Mb.....£194.99

291 SCSI Module for A1200.....£79.99

Miscellaneous Hardware

CD Rom Amiga A570 only £98.99!

Turns your Amiga 500 into a CDTV. Includes Fred Fish CDPD disk & Sim City

Overdrive 35 External hard drive case.....£139.99

XDS Dataflyer External Hard drive kit.....£64.99

OKB Mega Chip II (2Mb chip RAM).....£169.99

gives 2 Mb of chip memory on A500/A1500/2000

ROCHARD DRIVES from £214.99 (42Mb)

for the A500/A500+

takes standard IDE hard drives, expandable to 8Mb

using 1Mb SIMMS. inc. PSU & installation software

SPECIAL OFFERS!

Directory Opus 4.....£51.99

Distant Suns 5.....£35.99

Deluxe Paint 4 AGA.....£39.99

Make Path for Vista.....£25.99

Pagestream 2.2 DTP.....£64.99

XCopy Pro plus hardware.....£25.99

Technosound Turbo.....£18.99

Technosound Turbo 2.....£25.99

Vista Pro 3.....£45.99

Wordworth 2 AGA with Print Mgr!.....£29.99

Workbench 2.04 software and ROM upgrade (complete with manuals) only £49.99

Roboshift automatic mouse/joystick switch only £13.99 or £16.99 with mouse emulation and rapid fire push on modules

SCANNERS

Alfa Data Alfa Scan

hand held scanner with 256 greyscales and up to 400 Dpi

only £119.99

or £139.99 with OCR software

Alfa Data Alfa Colour Scan

18 bit scanner with 256K colours inc colour correction

only £329.99

Power Scanner V4 £119.99

With the latest version 4 s/w for bright & sharp grey scale performance. Flexible scanned image display manipulation options, plus Clean up, embolden, resize & flip.

Colour version only £239.99

EPSON GT6500 Colour Flatbed

only £587.50 phone for details

Art Department Pro Scanner S/W.....£109.99

compatible with Epson ES300C, ES600C, ES800C, GT6000, GT6500 & GT8000

MICE & TRACKERBALLS

Alpha Data Mega Mouse 90% rating. 290 Dpi.....£10.99 or £12.99 for 400 Dpi version

DATALUX CLEAR MOUSE High

quality clear 2 button mouse.....£19.99

Zydec Trackball.....£29.99

Golden Image Trackball.....£37.99

DISK DRIVES

NEW! Golden Image drive with LCD track display.....only £49.99

NEW!

AMITEC

1 mb 3.5"

drive

Features Anti Click, Anti Virus, Sony Mech, 2 year warranty

only £58.99

Cumana 3.5".....only £56.99

1 meg external drive. The best name in disc drives

A600/1200 internal drive.....£53.99

A500 internal drive.....£49.99

A4000 internal HD drive.....£99.99

GENLOCKS

VHS VHSO SVHS SVHSO Video8 Hi8

hama ON DEMO NOW!

The Professional answer

hama 292.....£269.99

S-Video, and composite compatible

hama 290.....£674.99

S-Video, and composite mixing, plus far more

GVP Genlock.....only £289.99

features professional SVHS output

Rocgen Plus.....only £152.99

Includes dual control for overlay and keyhole effects, extra RGB pass thru. Now A1200 compatible!

Rendale 8802 FMC.....only £164.99

Rocgen Rocky.....only £152.99

For creating special effects in video production with genlocks.

ROMBO PRODUCTS

VIDI 12 Real Time £134.99

Real time colour digitizing from any video source. Full AGA support

VIDI 24 Real Time £223.99

24 bit quality real time colour digitizing from any video source. Full AGA support

VIDI 12 AGA £70.99

Full support for AGA chipset. Colour images captured in less than a second, mono images in real time with any video source. Multitasking s/w, cut & paste.

VIDI 12 Sound & Vision AGA

with built in MegamixMaster £98.99

TAKE 2 £35.99

Features include load and save from D. Paint animations and IFF files. Supports HAM graphics.

Megamix Master.....£26.99

8 bit, high spec. sampler. Special effects include echo that can be added in real time, fully multitasking & easy to use.

ACCELERATORS

MICROBOTICS

MBX 1200Z with 20 MHz FPU.....£89.99

MBX 1200Z with 50 MHz FPU.....£214.99

expandable to 8 Mb 32 Bit RAM (see RAM prices)

New M1230 for A1200 with up to 128 Mb fast RAM!

M1230 XA 33Mhz, 0Mb.....£245.99

M1230 XA 40Mhz, 0Mb.....£264.99

M1230 XA 50Mhz, 0Mb.....£334.99

VXL 30 25 Mhz (for A500).....£184.99

VXL 30 40 Mhz (for A500).....£259.99

VXL 2 Mb Ram Board (for A500).....£189.99

expandable to 8 Mb 32 Bit RAM (see RAM prices)

SUPRA 28 ACCELERATOR

for the A500/A500+ & A1500/2000

28 Mhz, uses A500 side port so there is no internal fitting

only £144.99!

PRIMA ROM SHARERS

This high quality ROM sharer features a flexible ribbon connection so that it can be positioned anywhere within your A500 Plus or A600. Full 2 year replacement warranty

now only £17.99 or £24.99

for keyboard switchable version

ACCESSORIES

Real Time A1200 internal clock module.....only £12.99

Mouse/joystick manual port switcher.....only £13.99

Computer Video Scart Switch.....only £19.99

2/3/4 way Parallel port sharers £POA

Amiga Sound Enhancer Plus by Omega Projects. Hear the

Amiga's sound like you've never heard it before!£36.99

QUALITY MOUSE MATS.....£3.99

10 CAPACITY DISK BOX.....£0.99

20 CAPACITY DISK BOX.....£2.99

40 CAP LOCKABLE DISK BOX.....£3.99

100 CAP LOCKABLE DISK BOX.....£5.49

***90 CAP STACKABLE BANX BOX**.....£9.99

***150 CAP STACKABLE POSSO BOX**.....£17.99

*add £3.00 delivery if purchasing just one Posso or Banx box. Normal

delivery when purchased with other product or when buying 2 or more.

AMIGA A500 DUST COVER.....£3.99

AMIGA 600 COVER.....£2.99

14" MONITOR DUSTCOVER.....£6.99

NEW! Keyboard Membrane Covers.....£14.95

AMIGA TO SCART CABLES.....£9.99

STD 1.8 METRE AMIGA PRINTER LEAD.....£4.99

MODEM AND NULL MODEM CABLES.....£9.99

AMIGA CONTROL STATIONS

A500 or 1200 VERSION.....£36.99

A600 VERSION.....£29.99

DISKS

All disks are 100% error free guaranteed

New High density 3.5 inch bulk and branded

Please phone for best prices!

QTY	Bulk DS/DD	Branded DS/DD
10	£4.49	£5.49
30	£12.99	£14.99
50	£20.99	£22.99
100	£37.99	£42.99
200	£69.99	£79.99
500	£168.99	£190.99
1000	£324.99	£365.99

Branded disks come complete with labels

Disk Labels.....500.....£6.99

Disk Labels.....1000.....£9.99

SOFTWARE

BUSINESS

Maxi Plan 4.....£24.99

Mini Office.....£38.99

Money Matters.....£35.99

MISCELLANEOUS

Distant Suns 5.....£35.99

XCAD 2000.....£97.99

XCAD 3000.....£289.99

MUSIC/SOUND

Clarity 16 sampler.....£105.99

Deluxe Music Construction Set v2.....£59.99

Pro Midi Interface by Microdeal.....£24.99

Techno Sound Turbo.....£18.99

Techno Sound Turbo 2.....£25.99

PROGRAMMING

Amos Creator.....£34.99

Amos Compiler.....£21.99

Amos 3D.....£25.99

Amos Professional.....£47.99

Amos Professional Compiler.....£24.99

Bliz Basic 2.....£53.99

Devpac 3.....£50.99

Easy AMOS.....£24.99

SAS C Version 6.5.....£234.99

PUBLIC DOMAIN Top 50

from £1.50! (many more titles available)

Ami Base Pro v1.8.....(PDA001) 1 disk £1.50

Disk Saly V2.....(PDA003) 1 disk £1.50

D-Copy V3.....(PDA004) 1 disk £1.50

Edword Pro V4.....(PDA005) 1 disk £1.50

Easy Calc Plus.....(PDA006) 1 disk £1.50

Fairlight Virtual Dreams.....(PDA008) 1 disk £1.50

Grapevine 17.....(PDA009) 3 disk £2.75

Relokick 1.3.....(PDA011) 1 disk £1.50

Klondyke AGA.....(PDA013) 3 disk £2.75

Last Stand in Hoth.....(PDA014) 4 disk £3.50

So you want to be a programmer?

The Amiga may be one of the most powerful computers ever, but how do you go about programming it? John Kennedy looks at the current batch of coding

tools for DIY fans.

At times, programming the Amiga may seem to be an impossible task. The Workbench may be user-friendly, but the Amiga can sometimes appear almost impenetrable to would-be programmers, leaving its excellent graphics and sound hardware totally out of reach.

Older computer users will probably remember a time when home computers came with a programming language (usually BASIC) built-in, but now the younger contingent of users may look at games such as *StarDust* and think, "How could I even start to write something like this?"

Thankfully, rolling up the sleeves and getting into the Amiga needn't be difficult, and there is an ever growing number of ways of doing it. From the politically correct *Pascal* to the hard-hitting *Assembler*, possibly the only language missing from the Amiga developer's toolkit is *COBOL*, and there shouldn't be many tears shed on that front.

Still though, the novice Amiga programmer is faced with many decisions: Which language to use?

What reference books are needed? Is it expensive?

WHAT IS A PROGRAMMING LANGUAGE?

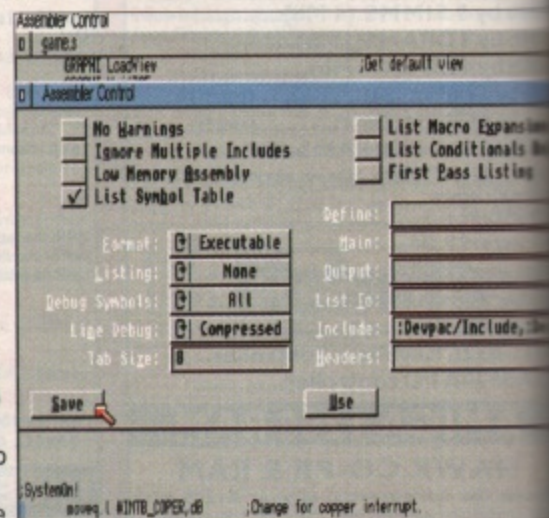
At the heart of the Amiga is a micro-processor. The micro-processor unit (also known as a CPU - Central Processor Unit) is the chip which controls the rest of the computer. The video display, the disk drives, the keyboard; all these devices are controlled by other chips but all are orchestrated by the CPU.

In an Amiga computer the CPU runs a program, a list of instructions, called the Operating System. The Operating System (OS) provides a way of loading and running application programs, including the Workbench environment, as well as games and utility programs. The OS makes it easy for these programs to share the computer's resources, such as memory, disk access and use of the parallel and serial ports for input and output. The OS resides internally in special permanent memory chips called ROMs, and is also partly loaded from disk at boot-up time.

In order to create your own programs, you need to produce a list of instructions which the CPU can understand. These instructions are called Machine Code, and they are the only instructions the CPU can work with. Every program must be converted into machine code at some point in order for it to be executed.

It's possible to program directly in Machine Code using a program called an Assembler, such as HiSoft's *DevPac*. *DevPac* will allow you to enter a list of assembly language instructions which it will convert into machine code ready for execution.

It's almost an understatement to say that programming in *Assembler* is a very time consuming task. Something which can appear very simple, like displaying a letter on the screen, can take many, many lines of



All aspects of the *Assembler* - which chips your computer is using, whether the code is to 'stand alone' or be mixed (linked) with other code - can be set from the editor.

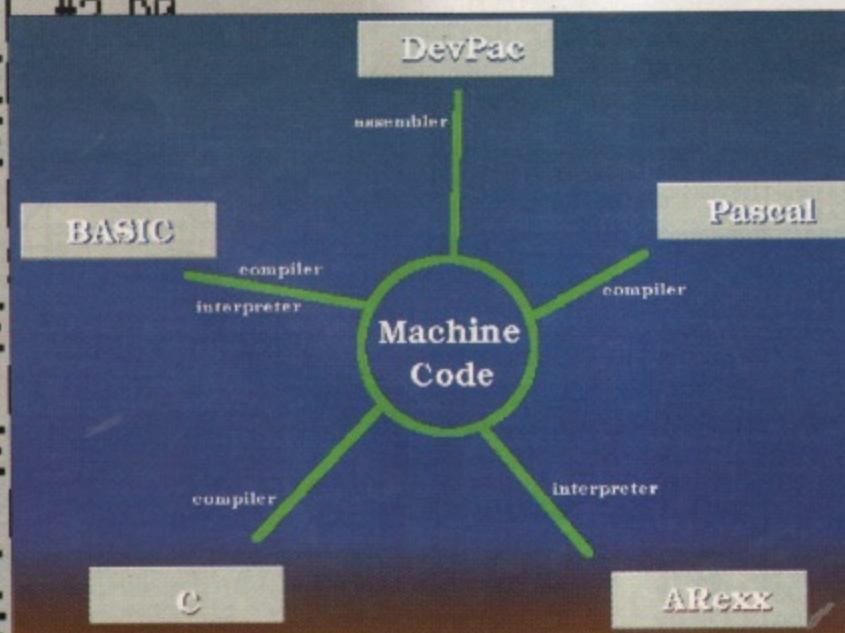
machine code instructions to achieve.

The next step up from *Assembler* in the language evolutionary ladder is called '*C*'. A program written in *C* looks a lot closer to English than *Assembler*, as unlike *Assembler* each *C* instruction can represent dozens of lines machine code. Creating functions and subroutines is a lot easier in *C*, and it's also possible to handle complicated data structures. The advantage of *C* is that it loses hardly anything of the power of *Assembly* language, but yet it is still possible to deal directly with the computer hardware.

A *C* source file (the list of *C* instructions) must be 'compiled' into machine code before it can be used. A typical program to do this is *DICE* or *SAS/C*.

BOOKS

If you plan on making use of the Amiga's intuition operating system, or you need to know what makes the Amiga tick you'll need some documentation. The official works are best - make sure you get the dark grey third edition - and start off with the *Libraries* volume, as this includes general tips on many aspects of Amiga programming. The source code in these books (all in *C*, by the way) is widely available from many Bulletin Boards.



>MOVEM.L D1-D6/A0-A6,-

MOVER.L A0,A2

MOVE.L D0,D2

LEA \$756D8F8,A4

MOVER.L 4.W,A6

LEA \$756EE48,A3

MOVEQ #0,D1

MOVE.L #\$D6,D0

BRA.S \$75671F4

MOVE.L D1,(A3)+

DBF D0,\$75671F2

MOVE.L A7,\$1830(A4)

MOVE.L A6,\$1558(A4)

MOVER.L \$114(A6),A3

MOVE.L \$AC(A3),D0

BEQ.S \$7567216

LSL.L #2,D0

MOVE

MOVE

LSL.L

BRA.

MOVE

SUB.

MOVE

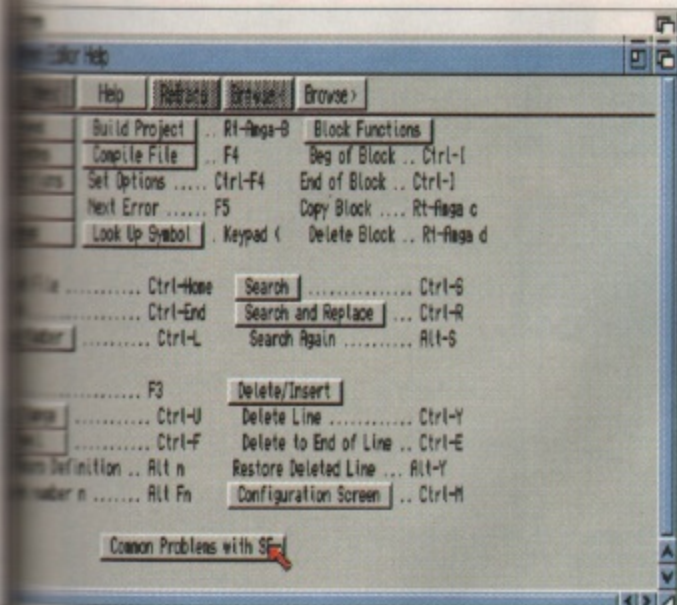
SUB.

ADDI

MOVE

CMP.L \$13D8(A4),D0

BCC.S \$7567284



With full on-line hypertext help screens, the SAS/C editor gives even dedicated text editors a good run for their money.

Pascal is a programming language which, at first glance, looks at lot like *C*. It is subtly different though and, in fact, is a lot more 'user friendly' and forgiving. Many colleges and universities use it to teach the fundamentals of programming. *Pascal* is an elegant language which tries to be as straightforward as possible, whilst still offering much in the way of functionality. *Pascal* is another compiled language, and therefore it runs quickly. Like *C*, *Pascal* is a very structured language – code is packaged into clearly separated functions which helps minimise errors.

BACK TO BASICS

BASIC has always been a popular programming language on home computers, and the Amiga is still well served. *AMOS* and *Blitz Basic* are derivatives of *BASIC* which have been heavily expanded to include many Amiga specific extensions. For example, if you wanted to write a program in *C* to load an image from disk and display, it would take many lines of code. You would need to prepare the screen, access the floppy drive, decode the graphics data stored in the file and then work out a way of copying it to the screen display. With *AMOS* and *Blitz* this can all be achieved with one or two simple commands.

The disadvantage of these

can buy a compiler for *AMOS* if you need some extra speed and the capability to make programs 'stand alone' without the need for a *BASIC* interpreter. *ARexx* is a *BASIC*-esque language that is supplied as standard with all post Workbench 1.3 Amiga systems. Its main purpose is the expansion and inter-connection of existing application programs – for example, adding a word count feature to *Cygnus Ed* or linking *The Art Department* with a third party video digitiser. *ARexx* can also be used as a programming language in its own right, but unfortunately as it is interpreted rather slowly; *ARexx* isn't a particularly fast language by itself. However, it is still eminently suitable for file manipulation programs and general small utilities.

There are other development systems available: *CanDo* and *Helm* are two which actually use a heavily graphics orientated approach to creating programs, as well as the programs themselves. These systems are great for producing multimedia systems, such as graphic adventures or Point of Information/Sale systems.

You can even write basic file maintenance programs if you put your mind to it, but they won't run particularly quickly.

INTUITION POWER

The Amiga's operating system is an incredibly powerful and flexible system. Arguably second only to the

state-of-the-art *NeXTStep* platform, *Intuition* is a fully multitasking operating system which can be relied upon to create a reliable and consistent user interface: but only if you want to use it.

It's entirely possible that your program won't benefit from pull-down menus (how many arcade games have you seen which do?), but if you're writing an application it makes sense to use the code that's already present.

How the *Intuition* system can be used depends largely on the programming language you are using. At the most basic level, using *Assembler* or *C* will require you to set up data structures and call the operating system routines or 'libraries'. This isn't a particularly easy thing to learn about (one mistake and you Guru the computer), but once you have written one application you can usually re-use your code with only minor alterations.

A more user-friendly development system, *Blitz Basic 2* for example, includes *BASIC* commands for controlling the Menus and Requesters. This simplifies the construction of normal application programs greatly. The user of your program normally won't be able to tell if your program was written from scratch in assembler, or using *Blitz* as the *Intuition* menus all look the same.

WHICH LANGUAGE SHOULD I USE?

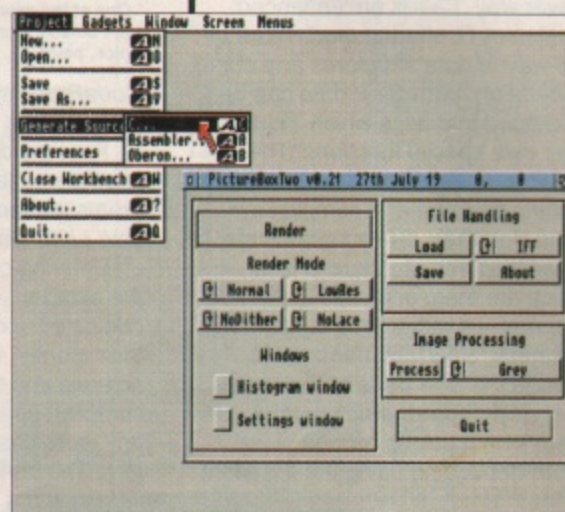
There are many different programming environments available, and picking the right one can be a difficult business. If you want to jump right in at the deep end by equipping yourself with *C*, a good compiler and all the necessary documentation, it could cost you over £350 – but there are plenty of cheaper alternatives. Perhaps the easiest system to start with is with *Blitz Basic*. The integrated editor and compiler makes writing programs quite straightforward, and

TOOLS

No matter what you might think at 3am when you need to squash that bug, you are not alone. Other programmers have been before you, and the more altruistic ones have left some tools to help you.

Take *GadToolsBox* for example. Here is a program that will save you weeks if you use standard *Intuition* menus and gadgets in your programs.

Using *GadToolsBox* you can actually draw your program's user interface on-screen, and then click a button to generate the source code. You will still need to know what to do with the code, but believe me using a program like this can not only save your sanity but improve the appearance of your program.



As a program which helps you create programs, *GadToolsBox* is an absolute must. Draw your user-interface on-screen and let the program generate all your source code. Invaluable.

Blitz is certainly powerful enough to create both serious applications and stunning arcade games: check out *Skidmarks* if you don't believe me.

If you have your heart set on learning *C*, the *DICE* compiler is an excellent place to start. Unfortunately, the PD version won't come with the Commodore Include libraries – the routines which you need to access the operating system. You can either get them directly from Commodore for about £25, or else pick up the March/April *Fresh Fish* CD-ROM (reviewed on page 134) which happens to contain a drawer with them all inside.

Remember to check out the PD libraries for more obscure languages: *E* is one to watch for, promising the power of *C* in an easier to use way.

Your choice of programming language is determined by several factors. Do your programs need to run extremely quickly? What previous programming experience do you have? Will graphics and sound be important to your programs? How much can you spend on the programming environment?

In the chart to the left, the most common Amiga development languages are rated. Please remember that although *C* has a low score for, say, graphics support, getting hold of the necessary *C* source isn't very difficult – if you know where to look.

COMPARISON CHART

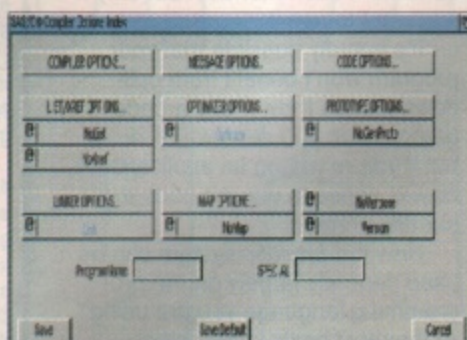
	Assem	ARexx	Amos Devpac	Blitz	SAS BASIC	HiSoft BASIC	CanDo C
Pascal							
Ease of Use	1	4	4	4	3	4	5
Execution Speed	5	1	4	5	5	4	2
Code size	5	3	3	4	5	4	2
Compiled/Interp	C	I	I	C	C	C	I
Graphics/Sound	1	1	5	5	1	2	5
Debugging	3	4	4	5	5	4	3
Price	51.95	Free	34.95	49	249	79.95	89.95
Avail	HiSoft	CBM	Euro	Merid	HiSoft	HiSoft	Emerald

There are *C* compilers in the Public Domain (*DICE*, *NORTH C*) but the best is *SAS/C* from *HiSoft*. Likewise there are PD Assemblers available, but *DevPac* is the best. Note that *Blitz*, *SAS/C* and *HiSoft's* High Speed Pascal include an integral assembler.

HiSoft tel: 0525 718181 • Europress Software tel: 0625 859444 • Meridian tel: 081 543 3500 • Emerald Creative Technology tel: 081 715 8866
Key: 1=poor, 5=excellent

SAS/C v6.51

There are several C compilers in the Public Domain (and Shareware) Libraries, but none can compare to SAS/C. The update from v5 to v6 was such a major step forward in terms of compiled code speed and compactness that for a time it seemed no further advances could be made. SAS/C has overruled this assumption, by adding C++ compatibility and doing it in a very clever way. C++ is an 'enhanced' version of C, offering much more in the way of data structures and object orientation. With C++, data can be packaged into units which include their own special functions. The result is an excellent development system for large and complex systems. Normally, C++ programs are processed into standard C files which are then compiled in the normal way – a rather time consuming business. SAS has managed to include the C++ parts of their compiler as standard, which means that there's no mucking around. Even when debugging using the excellent



One of the new V6.5 features is support for the default Workbench fonts. A small, but nice, point.

CodeProbe system, C++ code can be examined in every detail.

For time critical applications, the special profiler will examine your programs and break down the amount time each function is used.

Entering code is made easy with the excellent editor which gives many dedicated text editors a good run for their money. With multiple files, split screens and integration into the C compiler, you won't need to spend any more cash on a good entry system. The on-line help comes in

handy when you can't face the thousand plus pages of documentation which come in the box. As long as there are programs of this quality available, no one can ever say the Amiga is in trouble. This is truly professional level software.

FEATURES IN SAS/C V6.51

- Includes a C++ implementation, compatible with the AT&T CFRONT. C++ files can be compiled like any other C files.
- Special code is produced to take advantage of any 68040 and 68882 chips present. ● Improved peephole optimiser.
- More efficient code generally. ● The CodeProbe debugger has been improved. ● The built-in Assembler supports chip-memory only code. ● The system default font is recognised and used. ● Improved profiling to trap bottlenecks in your programs. ● Workbench programs can deal with 'tooltypes' as standard C arguments.

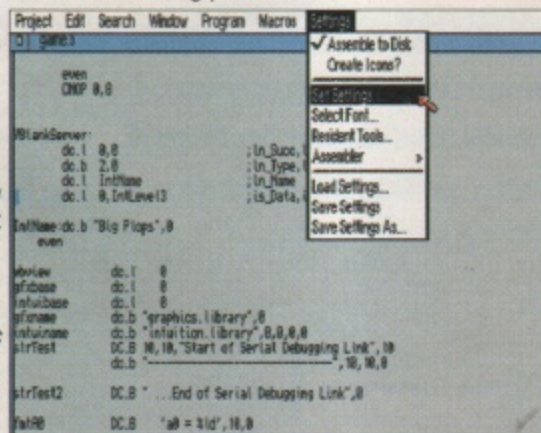
DevPac v3.04

Compared to earlier versions, this DevPac has a much improved editor which makes the rather stressful process of Assembly language programming much more enjoyable.

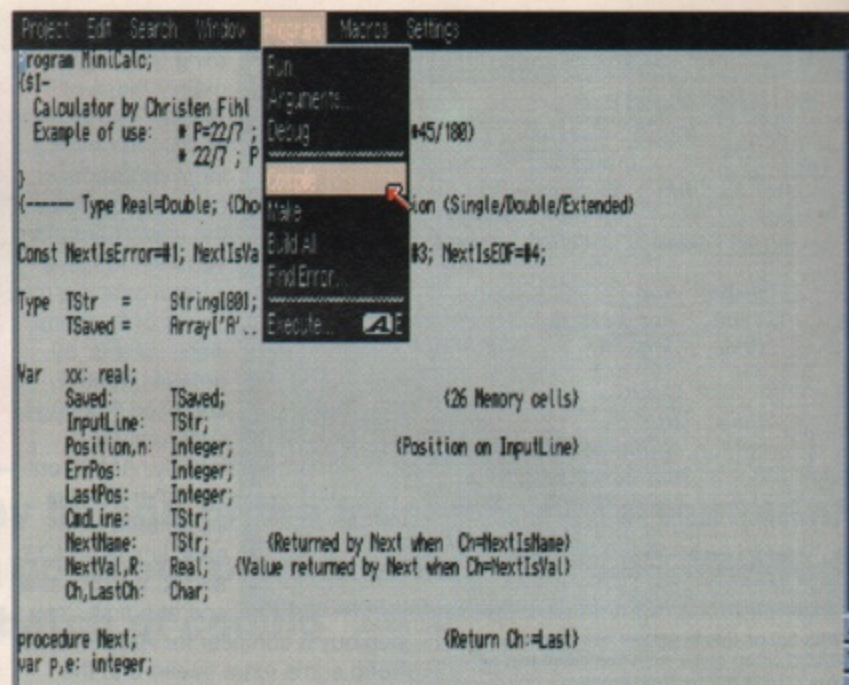
In fact, after using several Public Domain assemblers, DevPac is a complete joy to use. It features the same excellent editor as HighSpeed Pascal, and once again all the options are immediately available from pull-down menus.

The speed of the assembly process is blinding (especially after using a C compiler) and the many processor and optimisation options means that the code can be tailored to your exact specifications. If you need ultimate control, there is no other way. The integrated development environment makes DevPac

The DevPac Assembler comes with its own text editor, which will save you a lot of both time and money.



a lot easier and more useful than any assembler included with other languages. When programming the Amiga, mixing code produced by various systems (C, Assembler, Pascal) is actually quite easy and having a separate package for each certainly improves productivity. In an ideal world you would have both SAS/C for general coding, and DevPac to help with those extra stubborn programming problems.



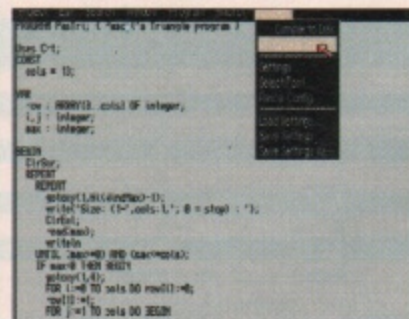
HiSoft Pascal is compiled directly to machine code, in the same way as a C compiler. Pascal programs won't hang about, which makes it very useful for commercial software development and for teaching.

HighSpeed Pascal v1.10

Loved by academics, it's only until very recently that Pascal has lost its position as 'top language' to C. Designed to teach structured programming techniques, Pascal is not only a perfect system to teach yourself programming, but it is also an extremely powerful language in its own right.

Rather than stop with a simple text only implementation, HiSoft's HighSpeed Pascal comes with all the necessary libraries, or 'units' as they are known, to write proper Intuition based programs. It's even possible to hit the hardware if this is your cup of tea.

The typical HiSoft environment is very well designed, with an excellent editor allowing full control over all the At first glance, Pascal programs look a little like C, but on closer inspection they are actually rather easier read and therefore write.



The HiSoft editor is very good, and all compiler options can be set without leaving it.

compilation options. An in-line assembler allows for more advanced use, and the ubiquitous MonAm debugging tool can help keep track of what exactly is going on.

HighSpeed Pascal is also largely compatible with the extremely popular IBM PC-based Turbo Pascal system. Obviously there are differences to take advantage of the Amiga's more advanced hardware, but converting existing programs won't be a nightmarish task. A version of the 'graph' unit is included which will make converting handling graphics a lot easier.

It all adds up to a perfect introduction to power programming, or a gentle way to get to know languages such as C and C++.

THANKS!

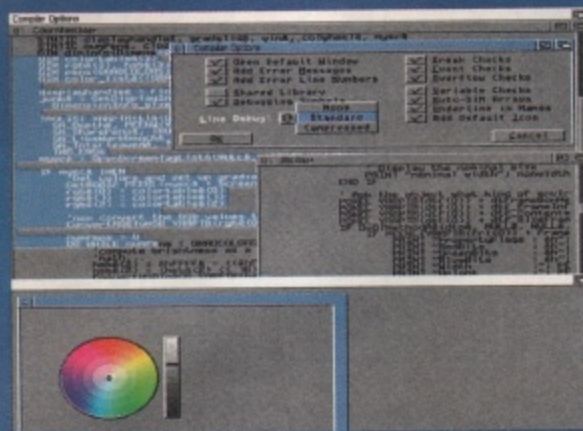
Thanks to HiSoft for providing many of the language implementations mentioned in this article. You can contact them on 0525 718 181.

BASIC Instinct

...have you got it?

HiSoft BASIC 2

at last!



HiSoft BASIC 2 shows off its AGA support

The Compiler

HiSoft BASIC 2 is a compiler that feels like an interpreter when you use it from within the integrated environment. It takes source code either directly or via the `include` statement and produces fast, efficient 68000 code; it is also possible to pre-tokenise your source code to obtain maximum speed of compilation. The syntax is highly compatible with other implementations including Microsoft QuickBASIC™ (PC), AmigaBASIC etc. allowing modern, structured programming with a high degree of portability between different machines. The graphics commands built into HiSoft BASIC let you take advantage of the AGA chip set.

You can link with assembly language and SAS/Lattice C programs and compile to memory for testing or compile to disk to produce your final, standalone masterpiece.

The Debugger

There are times when your program does not behave in the way that you planned. On these occasions, you can use TRON/TROFF statements to trace execution by line number, or you can invoke the HiSoft BASIC debugger.

This is a medium-code-level debugger, which displays the source code and object code of your program at the same time. You have access to all your BASIC sub-program and function names and you can step through the BASIC source code by line, setting breakpoints as appropriate.

The Libraries

HiSoft BASIC 2 comes with libraries that let you access the features of all versions of the Amiga operating system from Workbench 1.3 up to Workbench 3.1. The standard Amiga names are used, as described in the ROM Kernel manuals, making it easy to translate examples from C. There are examples of using and displaying IFF files, Datatypes, Gadtools gadgets & menus, Tasks, Sound etc.

The Package

HiSoft BASIC 2 is supplied with a comprehensive, 640-page manual which, in addition to user and reference sections, also contains an extensive tutorial on using the package.

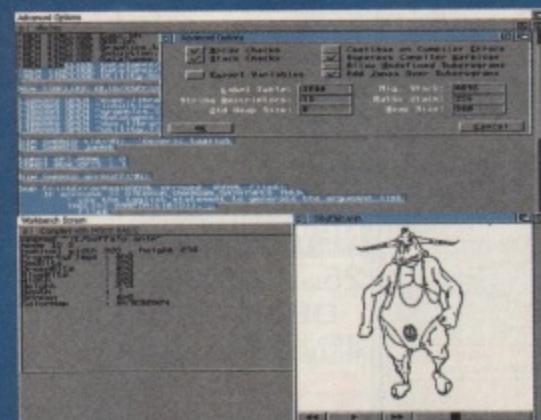
The system works on all Amiga computers with 1Mb or more of memory, at least one floppy drive, keyboard and mouse, in all 80 column screen resolutions. We recommend 2Mb of memory and a hard disk if you intend to work on larger programs or to take full advantage of the new operating system features.

Registered users of HiSoft BASIC version 1 can upgrade by telephone - please call for information

HiSoft BASIC 2 is a complete development system which is ideal for both the professional and the casual programmer.

Your programs can be written with the integrated, multi-window editor where there is a complete range of features that allow you to create, edit and run your BASIC programs without ever leaving the comfortable interactive environment: block marking with the mouse, cut, copy and paste, bookmarks for quick reference, fast, case-sensitive search and replace, flexible organisation of your text windows, compilation at the touch of a key and much more.

The editor takes full advantage of the new features of Workbench 2 and Workbench 3 and there is a version of the editor that emulates many of the advanced features of Workbench 2 under Workbench 1.3.



Even Animation Datatypes are easy!

Credit/Debit Card Orders

0525 718181

Phone between 9am and 7pm Monday to Friday to place an order using your Mastercard, Access, Visa, Switch, Connect etc. card. We will quote you a firm delivery date on receipt of your order which will be no longer than 28 days and usually within 5 days. For goods in stock we can offer a next day delivery service for £6.

Order Form

Please rush me HiSoft BASIC 2
for my Amiga computer (with at least 1Mb memory)

- ☐ HiSoft BASIC 2 @ £79.95 + £2 p&p
- ☐ Upgrade from HiSoft BASIC 1 @ £39.95 + £2 p&p

Signed: _____

Name: _____

Address: _____

Card No: _____

Expiry and Issue #: _____

HiSoft
High Quality Software

The Old School Greenfield
Bedford MK45 5DE UK
Tel: +44 (0) 525 718181
Fax: +44 (0) 525 713716

CLIP-ART

- ☐ ART1-2 WEDDINGS (2 disks)
 - ☐ ART2-2 HOUSES (2 disks)
 - ☐ ART3-3 RELIGIOUS (3 disks)
 - ☐ ART4 WW1 AIRCRAFT
 - ☐ ART5-2 MEN (2 disks)
 - ☐ ART6-2 WOMEN (2 disks)
 - ☐ ART7-2 KIDS (2 disks)
 - ☐ ART8 BUSINESS
 - ☐ ART9 OFFICE
 - ☐ ART10 STUDENTS
 - ☐ ART11 SALETIME
 - ☐ ART12-3 XMAS (3 disks)
 - ☐ ART13-3 PUNCH (3 disks)
 - ☐ ART14 ANIMALS
 - ☐ ART15 CATS
 - ☐ ART16 SILHOUETTES
 - ☐ ART17-2 SCHOOLS (2 disks)
 - ☐ ART18 BABIES
 - ☐ ART19-2 SPORT (2 disks)
 - ☐ ART20 OLYMPIC
 - ☐ ART21-2 MEDICAL (2 disks)
 - ☐ ART22 SEA LIFE
 - ☐ ART23 DECORATIVE
 - ☐ ART24 WACKY
 - ☐ ART25 HOLIDAYS
 - ☐ ART26-3 BANNERS (2 disks)
 - ☐ ART27 NOUVEAU FLOWER
 - ☐ ART28 BUTTERFLIES
 - ☐ ART29-2 FOOD (2 disks)
 - ☐ ART31-2 BORDERS (2 disks)
 - ☐ ART32 MAC CLIPS
 - ☐ ART33 HORNBACK
 - ☐ ART34-2 TEDDY BEARS
 - ☐ ART35-2 VANITY FAIR
 - ☐ ART36 HALLOWEEN ART
 - ☐ ART37 SHOWTIME
 - ☐ ART38 VEGETABLES
 - ☐ ART39 FLORAL
 - ☐ ART40 MYTHS
 - ☐ ART41 DOG WOODCUTS
 - ☐ ART42 CAT WOODCUTS
 - ☐ ART43 AFRICAN
 - ☐ ART44 AMERICAN
 - ☐ ART45 ARTIC WOODCUTS
 - ☐ ART46 FARM WOODCUTS
 - ☐ ART47 MIXED ANIMAL
 - ☐ ART48 BIRDS WOODCUTS
 - ☐ ART49 MORE ANIMALS
 - ☐ ART50 ANIMAL LINE ART
- Compatible with ALL graphics and Desktop Publishing software, eg: DPaint, P-Stream, P-Setter etc

ICONS & TOOLS

- ☐ 393 ULTIMATE ICON UTILS
- ☐ 1146 ICON MAGIC
- ☐ 1888 ICON DISK 7
- ☐ 2527 ICONS FOR ALL 2
- ☐ 3848-3 ICONS PLUS KS2/3
- ☐ A three disk collection of icons for Workbench 2 or 3
- ☐ 3772 MAGIC WORKBENCH
- ☐ Transform the look of your workbench, best with a hard disk, requires kickstart 2/3
- ☐ 3887 CUSTOM ICONS KS2/3
- ☐ CD38 ICON DEVELOPMENT
- ☐ CD1343 ICONMANGA
- ☐ CD1770 ICON NIGHTMARE
- ☐ CD1857 ICONS GALORE
- ☐ CD2202 CLUMPY ICONS
- ☐ Clumpy icons!
- ☐ CD2220 ICONLAB & ICON+ED
- ☐ 2 easy to use icon editors

DEMO MAKERS

- ☐ 65 DEMO MAKER
- ☐ Very basic stuff
- ☐ 67 GHOST WRITER
- ☐ Perfect for sending letters to your friends, put it on disk
- ☐ 31 SPACE WRITER
- ☐ 488 DEMO MAKERS
- ☐ More demo makers
- ☐ 644 DOPE INTRO MAKER
- ☐ Simple to use
- ☐ 1422 DEMO MAKERS
- ☐ A compilation of different demo makers etc
- ☐ 1558-2 Digital DEMO MAKER
- ☐ Professional 2 disk demo maker load in IFF pictures, music, scroll messages etc.
- ☐ 2014 RSI Demo maker DELUXE
- ☐ Another version of the RSI dm
- ☐ 2916 MAGIC DEMO MAKER
- ☐ Small simple to use demo maker
- ☐ 3360 RSI DEMO MAKER 2 MEG
- ☐ Compatible with the A1200
- ☐ Create stunning graphical & music demo's
- ☐ 3476 FAST INTRO MAKER 2
- ☐ Requires kickstart 2 or 3
- ☐ Very professional demo maker
- ☐ 3752 DEMO MAKER UTILS

WB3 DPi SOFTWARE

- ☐ DPi Disks cost £3.50 each
- ☐ DP11 WORKBENCH 3
- ☐ DP12 AI2000 INSTALLER
- ☐ DP13 HARD DISK PREP
- ☐ DP14 PRINTER DRIVERS
- ☐ DP15 ENGINEERS KIT AGA
- ☐ DP16 EXTERMIN8 AGA
- ☐ DP17 CRACKN'COPY AGA

COMPATIBILITY!
All disks should work on all available Amiga's unless otherwise stated. "AGA" means it only works on A1200/A4000.

LATEST GAMES

- ☐ 3945 SICK BALL II
- ☐ Sickly Pong game
- ☐ 3915 PACMAN'S REVENGE
- ☐ Cheap Pacman game
- ☐ 3912 GALACTOD
- ☐ 3911 SCORCHED TANKS
- ☐ 2 player shoot 'em up
- ☐ 2810 SUPER PACMAN
- ☐ Brilliantly smooth version of that classic
- ☐ 3897 KARATE CHAMP
- ☐ A new karate beat 'em up
- ☐ 3898 DIGGER
- ☐ From the Arcade version
- ☐ 3899 WACK MAN
- ☐ Another Pacman clone
- ☐ 3900 KLAUW THE CAT
- ☐ Nice looking platform game
- ☐ 3901 BLACK DAWN
- ☐ D&D game
- ☐ 3902 BAT DOG
- ☐ Fast and addictive platform game
- ☐ 3903 AMIGANOID
- ☐ Breakout but with 2 bats!
- ☐ 3904 WORLD DARTS
- ☐ Play darts the easy way
- ☐ 3905 BOB'S GARDEN
- ☐ Excellent digger's game
- ☐ 3906 BIG WILL & TROLL
- ☐ Another superb platformer
- ☐ 3907 THE BIG GAME
- ☐ 3908 CAFFEINE FREE DIET
- ☐ Very fast paced horizontal shoot 'em up. Great stuff!
- ☐ 3909 GALAXY'93
- ☐ Superb Galaxians game.
- ☐ Very original sound FX
- ☐ 3910 CRONIC THE HEDGE HEG
- ☐ A poor man's Sonic the Hedgehog game. SADI!
- ☐ 3891 DARTS GAME
- ☐ Another darts game?

GALAGA Deluxe

Fantastic new shootem up
order ☐ 3990

- ☐ 3895 ICE RUNNER
- ☐ Based on the classic Loadrunner, but with totally updated graphics & sound
- ☐ 3888 MEGABALL AGA
- ☐ A 256 colour breakout game
- ☐ 3869 PLACEBO INVADERS
- ☐ Colourful Space Invaders game
- ☐ 3870 TACHYON
- ☐ A tron clone
- ☐ 3871 MOOSE DRIVER
- ☐ Fast top view racing game
- ☐ 3873 DITHEL IN SPACE
- ☐ Cute but addictive platform/shoot 'em up
- ☐ 3874 KISS THE CANVAS
- ☐ Crappy beat 'em up game
- ☐ 3861 NOSTALGIUM
- ☐ The classic C64 Uridium is here
- ☐ 3862 PARADISE ATTACK
- ☐ 3858 LCD GAMES
- ☐ 4 classic LCD games
- ☐ 3852 MULTIPLEX PUZZLE
- ☐ 3851 DEPTH CHARGE GAME
- ☐ 3825 ELEVATION 2
- ☐ Addictive & annoying
- ☐ 3776 FATAL MISSION 2
- ☐ Brilliant shoot 'em up game
- ☐ 3777 OPERATION FIRESTORM
- ☐ Features fantastic graphics, great platform/shoot 'em up
- ☐ 3745 HIGH OCTANE
- ☐ Fast car racing game
- ☐ 3738 HOTBLOX
- ☐ A Tetris clone
- ☐ 3718 NUMTRIS
- ☐ See above
- ☐ 3667 INSECTOIDS 2
- ☐ Brilliant shoot 'em up
- ☐ 3668 SHANGHAI '93
- ☐ 3669 SPECY GAMES. dms
- ☐ Over 40 classic spectrum games
- ☐ 3640-2 STARBASE 13
- ☐ A huge arcade adventure
- ☐ 3635 ROBODUX
- ☐ Up to date boulderdash clone
- ☐ 3622 MICRO MARKET 1-2
- ☐ Buy & sell
- ☐ 3625-2 MR MEN OLYMPICS
- ☐ 3627-2 MOTOR INV 2 AGA
- ☐ 3615-2 MENTAL IMAGE
- ☐ 6 brilliant games
- ☐ 3612 KUNG FU CHARLIES
- ☐ 2 player platform/beat 'em up
- ☐ 3573-2 18th HOLE GOLF
- ☐ PD golf game, good stuff
- ☐ 3580 PEREPLY SHOOT 'EM
- ☐ Fast & furious
- ☐ 3570 RUMMY
- ☐ The card game
- ☐ 3563 ROAD TO HELL GAME
- ☐ Another good top view racer
- ☐ 3505 GIDDY
- ☐ Excellent cute platform game
- ☐ 3455 GNU CHESS KS2/3
- ☐ Intelligent chess game
- ☐ 3456 FRUIT PANIC
- ☐ Pacman clone
- ☐ 3459 BAGITMAN
- ☐ 3460 AZTEC CHALLENGE
- ☐ 3461 MEGABALL 2-1
- ☐ Fantastic breakout game
- ☐ 3462 STARIANS
- ☐ Fast shoot 'em up
- ☐ 3587 VCHESSE II
- ☐ Latest chess variant on the Amiga
- ☐ 3586 SCRABBLE
- ☐ Based on the popular board game
- ☐ 3555 BLASTER
- ☐ Fast & furious shoot 'em up

COPIERS

- ☐ 334 LE COPIERS
- ☐ 1775 PACMAN COPIER
- ☐ Play Pacman whilst copying any disk
- ☐ 2312 HARDWARE COPIER
- ☐ Requires the Xcopy dongle to work
- ☐ 2315 ASI DISK COPIERS
- ☐ Large collection of copiers
- ☐ 3075 MECAD FILE COPIER
- ☐ 2175 UNI COPY
- ☐ 2334 FLASH COPY V0-9
- ☐ 2335 SUPER DUPE V2-1
- ☐ Very fast disk copier
- ☐ 2934 FREE COPY 1-8
- ☐ 3576 DOOPY 3-1
- ☐ Very powerful disk duplicator. Supports up to 4 drives. Various copy modes included
- ☐ 3550 SAFE II
- ☐ Copies most disks in less than 40 secs.
- ☐ 699 TETRA COPY
- ☐ 2605 THE NIB V2-0

A12000/A4000

- ☐ 3096-10 BADBOYZ AGA!
 - ☐ A collection of 10 disks with graphics converted from the PC
 - ☐ 3175 UCHESSE AGA 4MEG
 - ☐ Impressive AGA chess game. It requires 4 MEG of RAM to run
 - ☐ 3209 WB3 RAINBOW
 - ☐ Puts a fancy rainbow effect behind your dtd workbench screen
 - ☐ 3211-5 W3IRD SCIENCE
 - ☐ Exceptional quality graphics. Various subjects, Animals etc
 - ☐ 3216-9 JPEG AGA IMAGES
 - ☐ Nine disks of stunning graphics
 - ☐ 3225-6 SUPER HAM PIX
 - ☐ 3286 HOR AGA MEGA DEMO
 - ☐ Contains an amazing AGA fade routine
 - ☐ 3287-3 A1200 UTILITIES
 - ☐ Includes Virus killers, Datatypes, Copiers, etc.
 - ☐ 3355 NEW WB3 VIRUS KILLERS
 - ☐ Up to date collection of Virus killers
 - ☐ 3356 A1200 DEGRADERS
 - ☐ Degrade your Amiga down to an A500
 - ☐ 3405 MORE WB3 HACKS
 - ☐ 3405 WINBLENDER
 - ☐ 3418 NPA A1200 UTILS
 - ☐ Collection of tools for the A1200
 - ☐ 3419-2 FIT CHICKS
 - ☐ 3422 RETINA BURN RAVE DEMO
 - ☐ 3423-2 NIGHT BREED PIX
 - ☐ 3425 FREAKS BODYSHOP
 - ☐ 3428 ANDYS WB3 UTILITY THE BEST
 - ☐ Huge range of different tools for the A1200/A4000
 - ☐ 3429 PLASMA CLOUDS 256
 - ☐ 3432 ACTION REPLAY IV
 - ☐ A freerun cartridge on disk. IT WORKS
 - ☐ 3436 JPEG UTILITIES
 - ☐ 3465-2 SPECY EMULATOR
 - ☐ Run spectrum software on the Amiga
 - ☐ 3500 HD MEM (Req MMR)
 - ☐ Use your hard disk as memory
 - ☐ 3501 HOIS 2 MEGADEMO
 - ☐ 3530 QUICK GRAB AGA etc
 - ☐ 3556 PANTA RHEI AGA
 - ☐ Short but sweet demo
 - ☐ 3554 PC TASK 2-03
 - ☐ Use VGA pc software on your A1200
 - ☐ 3610 LYAPUNOVIA AGA
 - ☐ Stunning space generator
 - ☐ 3620-2 BODYSHOP 4
 - ☐ 3627-2 MOTOROLA INVADERS 2
 - ☐ Amazing AGA Space Invaders game with an amazing 1MEG soundtrack
 - ☐ 3678 CHROMAGIC MUSIC
 - ☐ 3687 TMAP DEMO
 - ☐ Interactive 3D maze...256 colours
 - ☐ 3693 MANDELMANIA 4 AGA
 - ☐ Fractal generator
 - ☐ 3789-2 BODY SHOP 5 AGA
 - ☐ 3795 XANADU AGA
 - ☐ Good music demo
 - ☐ 3796-2 HIT CHICKS 3 AGA
 - ☐ 3798-2 HIT CHICKS 2 AGA
 - ☐ 3802 EMPTY HEAD AGA
 - ☐ Smart new megademo
 - ☐ 4001 FRENCH DEMO
 - ☐ 3888 MEGA BALL AGA
 - ☐ Stunning new AGA version of Break-Out. WOW!
 - ☐ 3800 VIEWTEK 2-0
 - ☐ Latest AGA picture viewer
 - ☐ 3751 FERRARI AGA SLIDES
 - ☐ Stunning pictures of cars
 - ☐ 3697-2 ASI AGA FX DISKS
 - ☐ Get rid of those horrid compatibility problems. Allows you to run most old A500 games on the A1200/A4000
 - ☐ 4005-3 KLONDIKE AGA
 - ☐ Stunning 256 colour card game
 - ☐ 3822 MAND 2000 DEMO
 - ☐ Mandibrot generator
 - ☐ 3828 AGA VOLCANO
 - ☐ 3831-2 CHANNEL 2 MAGAZINES
 - ☐ 3833-4 MANGA AGA PICTURES
 - ☐ Heaps of Japanese Manga pictures
 - ☐ 3838-2 COMPLEX ORIGIN
 - ☐ Unreal introduction to an Amazing Mega demo. Loads of raytraced planet scenes. Brilliant!
 - ☐ 3843-2 STAR TREK PICTURES
 - ☐ Impressive AGA Star Trek Slides
 - ☐ 3853 IT SMELLS LIKE CHANEL NO. 5
 - ☐ Amazing new A1200 Megademo
 - ☐ 3981 AGA DATATYPES
 - ☐ Including Jpeg, PCX 1&2, BMP, ILM, Mac and loads more
 - ☐ 4046 TIME SENSUALITY
 - ☐ Bloody amazing AGA demo.
 - ☐ Fantastic sound track & visuals
 - ☐ Don't miss this
- >>>ask for our AGA list when ordering<<<

EDUCATIONAL

- ☐ 601-5 EDUCATION
- ☐ 3240 FIREWORK ALPHABET
- ☐ 3072 MATHS REFLEX TEST
- ☐ 3065 DIVISION V1-1
- ☐ 2931 MATHS CALCULATOR
- ☐ 2913 HOORAY FOR HENRY
- ☐ 2914 SPELLBOUND
- ☐ 2915 BOOK OF SPELLS
- ☐ 1420 LEARN & PLAY 1
- ☐ 2016 MATH TALK 1-3
- ☐ 2065 ALGEBRA II
- ☐ 2068 MATHS WIZARD 1-3
- ☐ 2135 STORYLAND 2
- ☐ 2305 KIDS PAINT
- ☐ 3946-2 BACK TO SCHOOL
- ☐ 3885-2 KIDS DISK 3 & 4
- ☐ 3770 JUNIOR MATHS SW
- ☐ 3560 KIDS DISK 2
- ☐ 1548 TALKING COLOURING BOOK
- ☐ CD2392 KIDS PAINT BOX
- ☐ CD2070 GAS TURBINE
- ☐ CD2071 PETROL ENGINE
- ☐ CD2072 STEAM ENGINE
- ☐ CD2204 FRACTIONS
- ☐ CD2226 PICTURES & LETTERS
- ☐ CD2262 WORLD WAR 2
- ☐ DC2573 WORLD GEOGRAPHY
- ☐ CD2417 STEAM ENGINE
- ☐ CD2418 2-STROKE PETROL ENGINE
- ☐ CD2451 THE LITTLE TRAVELLER
- ☐ Covers different countries, cultures, currencies
- ☐ CD2478 HOW THE EARTH BEGAN
- ☐ CD2479 NURSERY RHYMES
- ☐ Popular nursery rhymes in karaoke format which the kids can sing along to
- ☐ CD2523 MATHS ADVENTURE
- ☐ Good educational adventure game where you have to solve puzzles to progress. Ages 8+
- ☐ CD2533 STERLING ENGINE
- ☐ CD2676 COMMUNICATE
- ☐ If you want to learn sign language then look no further than this brilliant disk
- ☐ CD2772-2 THE ATOM
- ☐ An excellent educational package explaining the complete workings of the atom. Full colour pictures, animations, text, etc.

MUSIC DEMOS

- ☐ 1096-3 AMAZING TUNES 2
- ☐ (not A500/A1200)
- ☐ 2620-2 TEF "GIGAMIX"
- ☐ 2736-4 A-Z OF 64 TUNES
- ☐ 2748 INTENSE RAVE VISION
- ☐ 2792 CUBIK TECHNO
- ☐ 2793 PARADISE TECHNO
- ☐ 2799 MUSEUM 92
- ☐ 2890 RON RAVE DEMO
- ☐ 2930 SKETCH A TUNE
- ☐ 3093-2 SOUNDS OF SCIENCE
- ☐ 3114-2 2 UNLIMITED
- ☐ "GET READY" (51 minutes long)
- ☐ 3395 INTERACTIVE DANCE TRASH
- ☐ 3396 SANITY JESTERDAY
- ☐ 3397 GLOBAL CHAOS
- ☐ +3398 BLACK ENERGY
- ☐ +3400 COMPLEX DELIRIUM
- ☐ +3401 PICE O MIND
- ☐ +3402 POINT BREAK
- ☐ +3600 "VIRTUAL DREAMS"
- ☐ Over 20megs of graphics

VIDEO TITLING

- ☐ 654-2 VIDEO APPLICATIONS A 2 disk
- ☐ set of various tools for video titling
- ☐ 656 TV GRAPHICS
- ☐ A set of IFF backdrops for use in Scala etc
- ☐ 2698 VIDEO EDITORS KIT
- ☐ A huge collection of different tools for video editing etc
- ☐ 2986 VIDEO WIPES
- ☐ a set of different video wipes
- ☐ 2989 CAPTIONATOR perfect for doing
- ☐ dub-titles etc
- ☐ 3080 VIDEO TITLER
- ☐ Possibly the best video PD titler available
- ☐ 3856 TITLER 2 LO-RES
- ☐ Excellent video titling software
- ☐ 3857 TITLER 2 HI-RES
- ☐ 3821 DTV STUFF A collection of
- ☐ various video titling tools

Priority Order Form (AP)

Name _____
Address _____
Tel: _____
Amiga model _____
Payment method _____
Credit Card No. _____
Exp. _____
Total disks ordered _____ Total price: £ _____ +50p P&P

TETRIS GAMES

- ☐ What's TETRIS? Well it's a very addictive "Arcade Puzzle game"
- ☐ Different shaped blocks fall from the top of the screen and you simply have to fit them into each other at the bottom of the screen. It sounds simple, and is to begin with. You and your family will find it hard to stop playing. As you can see from the list below. It's popular!
- ☐ TET001 TETKEN
- ☐ Possibly the most varied version of tetris available
- ☐ TET002 SUPER TWINTRIS
- ☐ 2 Player version. Brilliant
- ☐ TET003 TRITRIS 3 player version
- ☐ TET004 CLJ-TRIS No it's not dirty!
- ☐ TET005 DIGITAL TETRIS
- ☐ Excellent quality. Brilliant graphics and music
- ☐ TET006 A1200 TETRIS
- ☐ Very colourful AGA version of Tetris
- ☐ TET007 TETRIS PRO
- ☐ Very professional
- ☐ TET008 GAMEBOY TETRIS
- ☐ Based on the Gameboy Tetris
- ☐ TET009 LETTRIX
- ☐ Fit in the letters
- ☐ TET010 KLARTIS
- ☐ TET011 DZZZY DIAMONDS
- ☐ Colourful variation
- ☐ TET012 AMIGA COLUMNS
- ☐ Based on Segas version
- ☐ TET014 SHAPES Fit in the shapes
- ☐ TET015 TETRIX
- ☐ TET016 TETRIS METALICA
- ☐ TET017 ANATKIS
- ☐ TET018 D-TRIS 2 PLAYER
- ☐ TET019 TETRIS 2
- ☐ TET020 SUPER BLOCKOUT
- ☐ TET021 WELLTRIS A 3D version
- ☐ TET022 DR MARIO 2 player, great!
- ☐ TET023 COLOURS
- ☐ TET024 CUBUS
- ☐ TET025 Workbench TETRIS'S A collection of loads of small tetris games for workbench.
- ☐ TET026 THE LAST TETRIS. NOT!
- ☐ TET027 SQUIGGS
- ☐ TET028 T-TRIS (MASSIVE)
- ☐ This Tetris game is the worlds largest. It's 3 screens tall
- ☐ TET030 HOT BLOX
- ☐ TET031 NUMTRIS
- ☐ TET032 TETRA COPY
- ☐ Copy a disk whilst playing tetris
- ☐ TET033 TETRON
- ☐ TET034 SYZYGY great stuff!
- ☐ TET035 ZYNX

A FEW TOOLS

- ☐ 4002 PARNET link up between 2 Amigas or PC's with this popular networking title
- ☐ 3916 SPEEDBENCH 2.1
- ☐ Loads up in seconds
- ☐ 3917-12 SAMPLES
- ☐ Twelve disks of great samples
- ☐ 3928 MUSIC BASE V1.1
- ☐ Sort out your video/music collection
- ☐ 3882 EASY SLIDE. Worlds easiest to use
- ☐ slideshow maker
- ☐ 3877 PNY ADVICE Analyser 4
- ☐ 3878 TROBI-CAD 1.36
- ☐ Electronic board designer
- ☐ 3879 X-PASSWORDS
- ☐ Stop people looking at your hard disk. Put a password on it.
- ☐ 3854 PARNET HELP
- ☐ 3826 PARNENCH
- ☐ Networking software for use via workbench
- ☐ 3706-4 SB PROLOG
- ☐ 3689 COMPUGRAPHIC FONTS
- ☐ 3637 PRO UTILITIES 1
- ☐ A collection of professional tools
- ☐ 3593 DISK SALVE 2 KS2/3 Recover
- ☐ damaged or corrupt files. Very easy to use
- ☐ 3594 LEMMINGS 2 HD PATCH
- ☐ Put Lemmings 2 on your hard disk
- ☐ 3578 PRINT A CARD V2
- ☐ Business card maker
- ☐ 3523-3 AMATEUR RADIO
- ☐ A collection of tools for all ham radio freaks
- ☐ 3530-4 KING JAMES BIBLE
- ☐ The Bible on computer!
- ☐ 3511 FILE-O-BAX Keep track of your life
- ☐ 3298 GRAMMAR CHECKER
- ☐ Check your grammar, works with all ASCII text
- ☐ 3121 NUNPAD for A600
- ☐ Less you use DPaint III properly as well as numerous flight sims
- ☐ 0659 ESSENTIAL UTILITIES
- ☐ Collection of various tools
- ☐ 2906 DESKTOP PUBLISHER
- ☐ Create stunning documents etc
- ☐ 1078 ESSENTIAL UTILITIES 2
- ☐ Includes copiers, crunchers, Virus killers, etc etc

EMULATORS

- ☐ 1772 A64 EMULATOR V2.0
- ☐ 2997 A500 +HIM EMULATOR
- ☐ 3837 BBC EMULATOR
- ☐ A BBC Emulator?
- ☐ 4008-3 SPECY EMULATOR
- ☐ 3554 PC TASK 2-05
- ☐ Run PCXT software on the Amiga
- ☐ 3495 KICKSTART 3 EM
- ☐ Only works on A500+/A600
- ☐ 2001 PC EM
- ☐ 2879 ATARI ST EM KS2
- ☐ An Atari ST emulator for A500+
- ☐ 3199-2 QL EMULATOR
- ☐ 2897 KICKSTART 2 EM
- ☐ for A500's
- ☐ 3057 KICKSTART 1-3
- ☐ A way of making more old games run on the A1200/A4000
- ☐ DOS PC DOS DISK for use with any PC Emulator. £3.50

PRINTER Drivers

- ☐ 3033 DYNAMITE PRINTER DRIVER

GAMES

G0257 BLAME!L! V1.1 Futuristic management siml +Y
G0273 MUGGIE Money making gangster adventure +Y
G0274 ROULETTE! A Punto 2 dice games (net 1.31)+Y
G0275 FLOPPY! A 2 dice Lemming olympic events(2)+Y
G0280 CAVEFLIGHT! 2D cave flying game +Y
G0283A EXORCISM! Good 2 dice adventure+graphics +Y
G0286 MYSTERY! 244AD Nice text adventure +Y
G0287 THE MIGHTY! 2D action game +Y
G0291 TITANIC! CHEATS! Hundreds of American footba+Y
G0298 FATAL MISSION! 2 Superb blasting shoot up +Y
G0301D! MOTORHOLA 2SD INVADERS! For 1200 ONLY(2)+Y
G0302! THE MIGHTY! 2D action game +Y
G0307Y! KLONIKO! 8 ACA! 5 level,3 dice 1200 ONLY!
G0308 HIGH OCTANE! Super overhead driving game +Y
G0309 JELLYQUEST! Nice jumping puzzle demol +Y
G0310! THE MIGHTY! 2D action game +Y
G0313 ROAD TO HELL! Super driving race game!+Y
G0316 METAL MOTION! Operation wolf type shoot up+Y
G0317! THE MIGHTY! 2D action game +Y
G0325 MEGABALL! 3 dice, 1200 ONLY!
G0326 DART'S! GAME! A nice darts game +Y
G0327 NORTHDOM! CHEATS! Tons of cheats on this disk+Y
G0328! THE MIGHTY! 2D action game +Y
G032930 STARBASH! 13 dice Crammed with cheats+Y
G0331 GRAND PRIZ! Manometer Racing strategy game +Y
G0332! OPERATION FIRESTORM! Stunning preview+Y
G0333! THE MIGHTY! 2D action game +Y
G0334 GORFF! excellent version of classic arcade game +Y
G0335 OHC ATTACK! Defend the castle from invaders +Y

BUSINESS

DEATHS

P0005 AMOS CH DEMO Shows some great effects + V
P0018 CHAIR ROCK Fab! Solid show + V
P0026 PHENOMENA EMIWA Asia show with fractals + V
P0035 SCICOPEX CHROMIUM Super demo + V
P0094 SCICOPEX MENTAL HANGOVER A classic + V
P0097 SILENTS GLOBAL TRASH Incredible! + V
P0130M ALGATRAZ COOL! Very nice! + V
P0154 DECAY GET FROGGED Super quality + V
P0168 DARK DEMON Mega new demo... get it! + V
P0170 PIECE OF MIND GOOD 3D vector effects + V
P0182 SPACEBALL Absolutely brilliant! needs 1200 only + V
P0183 THE AMIRI AMIRI AMIRI! Very nice! + V
P0187 HOY ALGA DEMO 1st 1200 demo a must! 1200 ONLY
P0188 SILENTS WORLD OF COMMODORE Super demo + V
P018990 SILENTS DEMON DOWNLOAD Fab demo! (2) + V
P0190 THE AMIRI AMIRI AMIRI! Very nice! + V
P0205 FAIRLIGHT ILLUSION Good demo! + V
P0206 MELON HOW TO SKIN A CAT Nice effects + V
P0215 FAIRLIGHT 242 Unusual & interesting demo! + V
P02167 A TRIP TO DEEP BASS A must have new demo! + V
P0220 THE AMIRI AMIRI AMIRI! Very nice! + V
P0221 POINT OF SALE Best ALGA yet! 1200 only + V
P0222 PYGMY EXTENSION DEMO Fast moving demo + V
P02234 SPACEBALLS 9 FINGERS THE MEGAN(2) + V
P0230 XMAU DEMO Super colorful ALGA only demo! + V
P0232 BROODY Lenny! Very nice! + V
P0227 IMPACT NO LEM Super kaleidoscope effects + V
P0228 SILENTS SOZZLED SOMERSAULT! Fab effects + V
P0229 SANITY BOGGLED? Very nice cantory intro + V
P0230 BROODY Lenny! Very nice! + V
P0232 PERSPECTY HYPNOSIS dancing silhouettes ALGA only! + V
P0235 AGATHA Nice effects & colours. 1200 only + V
P0239 REDNEX EMPYHEADS Cool effects 1200 only + V
P0340 VOLCANO New ALGA megademo. 1200 only + V
P0341 7 SILENTS LIFE CHANG! Very nice! 1200 only + V

AMICA MUSIC DISKS!

[illegible]

THE HUMAN AURA interesting book! (2) +Y
THE MYSTERIES OF RUNES all the signs. +Y

PT0345/2/3/27 80 disks full +Y
PT0345 51/97 + 99 More samples +Y
PT0345 100/100 TBOX1, TBOX2, DXK11 + Y
PT0345 OCTA2TAR 100/100 2nd sequencer!
PT0401 NOISE/PLAYER 4/0 Multitracking module players
PT0422 START IFP SAMPLES Super1! Get this disk+Y
PT0422 IFP SAMPLES Super1 3 disks full of house samples
PT0436 AUDIO MAGICA Super1 2 disks on 1200-Y
PT0447 AUDIO MAGICA More Super1 music programal +Y
PT04852 MODULES 5 disks of large music modules+Y
PT04852 METAL MODULES 5 disks heavy rock/metal+Y
PT04852 METAL AREA 5 disks heavy rock/metal+Y
PT06367 VOCALS 5 disks of super vocal samples+Y
PT06670 DRUMKIT5 3 disks of high quality drums+Y
PT07274 POPS 3 disks of keyboard sounds+Y
PT07274 PURE SAMPLES 3 disks of keyboard sounds+Y
PT0777 SAMPLE FACTORY Disk full of sound effects+Y
PT078 CHEMPSAN SAMPLES over 70 samples here+Y
PT0800 CHEMPSAN SAMPLES 100/100 Drums! +Y
PT081 SAMPLEMAKER V2 1 Mega sample+Y
PT082 CLASSICAL MODULES On a classical theme+Y
PT083 MUSIC ENGINE V1 34 Multiformat music files+Y
PT083 MUSIC ENGINE V2 34 Multiformat music utilities+Y
PT086 CHEMPSAN SAMPLER 100/100

AMIGA

PT088 X-BEAUTY V1: Excellent drum machine program! +Y
PT089 AUDIO MAGICS Some new tracker programs. +Y
PT090 SOUND EFFECTS Animals, Military & Vehicles(2)+Y
PT093 OCTAMED TUTOR Very useful for learners! +Y
PT094 SONIX ROCK Rock music written in Sonix +Y
PT095 AUDIO MAGIC 6 FM synth, Quadra & more! +Y

NEW TITLES!!!

<100-NEW!

PG349 MOOSE DRIVE Precise driving game! +Y
PG350 BRAIN DAMAGE A nice board game. +Y
PG351 XMASTIME Nice festive platform game! +Y
PG352 WYANES WORLD PONG with samples! Imp! +Y

CDs & Tapes CD & Tapes
disks, The AB20 ar

PG353 YAHYIC Great version of the game. +y
 PG354 TO THE DEATH Fantastic beat em up demo2(znqiy)
 PG355 MESSIAH COOL +y
 PG356 3D GAMES 2 OXO2 & DIZZY +y
 PG357/8 ART WARS nice leirnings game1mg chips+y
 PG359 ALLEN FRENZY Nice shoot up maze game +y
 PG360 3D MATHS 3D +y
 PG361 2 Point. Nice program for the math +y
 PG362 A - 2 Point. Nice program for the math +y
 PG363 CALCULUS COMBAT Game to learn math! +y
 PG368 ILLUSIONS Follow up to Artix. +y
 PG369 SONGS FROM THE GUIDE R Baster 1mg chips+y
 PG370 DQ2 Great rpg +y
 PG371 M222 NEOPLASIA PHOEBIA 5 flub mix tracks+y
 PU475/59 AGA TOOLS Useful for AGA machines[S] +y
 PU480 C.A.G. Cheap adventure game! +y
 PU481 MAGIC COOL +y
 PU483 KICK 1.4 Bester for AGA machines +y
 PU484 KNIT Good knitting pattern program! +y
 PU489/90 SUPER Super model good game (2) +y
 PU491 SUPERLEAGUE V3.4 Very good. +y
 PU492 X-RASINHO Good game for the AGA +y
 PU493 AMOS EYES Documenter +y
 PU494 MAND 2000 Mandelbrot exploration +y
 PU495 SHIDS Save to see the hidden images? +y
 PU496 UTILITARIAN GAME +y
 PU503 FLIP MOON AGA Nice demo 1200 only
 PU504 BELIEVE AGA Nice music +pcms1200 only
 PU505 SANITY ART A Superb demo for all systems+y
 PU506 ABSTRACT SUBTLE SHAMES Good demo!+y
 PU507 3D CHRONOMETER +y
 PU508 FLYING COWS PRO SUAK Good needs fast mem+
 PU509 4KEFRINS INTERCHANGE Nice 1200 only
 PU520 NOVA SCIFYR Fractal synth music demo1200 only

WORK 20 & 2022 01/23/22

NBS
N LANE, NEWPORT
PO30 5QA
083 529 594
83 821 599

Downloaded from <http://ajphaphysocpharm.sagepub.com/>

PD

Can you do a good Sid James laugh? If so, sample it and send it to us at the usual address. For now, though, let Tony Horgan take you through the latest games and demos in the public domain.

BRAIN STATE IN A BOX demo

What a trip! This one cuts all the bad stuff and gets straight down to the job of messing up your head. Unfortunately, you'll need an AGA Amiga with extra RAM to experience it.

If spinny colours and 3D flights are your bag, you'll love this. Even though there are only three main effects, it keeps on going for ages before it repeats, and even then, you can leave it to loop for as long as you like. The main effect is a simulated video feedback loop, with a random pixel generator to keep the colours flowing. In other words, you get loads of random colours splurging out from the centre of the screen – spot on. There's also a real time-generated 3D flight around a bay of islands. The best bit is the user-mode. This lets you play around with the effects yourself, wibbling the colours about with the mouse, and even soaring around the fractal islands. The user-mode didn't want to play on the office A1200, but it worked okay on the A4000/040. Essential for all space cadets.

Available from: Visage Computers, 18 Station Road, Ilkestone, Derbyshire, DE7 5LD. Tel: 0602 444501. £2.00 including P+P.



SCENE



MELLOW GABBER VOL 2 music demo

Mellow gabber, what a strange concept (considering gabber is the fastest, most insane form of dance music ever devised). Spookily enough though, this demo starts off sounding pretty good, and spookier still, it sounds like mellow gabber. A distorted bass drum kicks away slowly, while scary noises and voices wash around in the background. After a while it inevitably speeds up to a more danceable tempo, from where it turns into a slightly more anarchic variation on the 2 Unlimited theme. Cheesy organ riffs loop over some hard beats and basslines, tempting me to rip the tune and remix the better bits. Should find plenty of fans though.

Available from: Express PD, Magazine Business Centre, 11 Newarke Street, Leicester, LE1 5SS. Price: £1.65 including P+P.

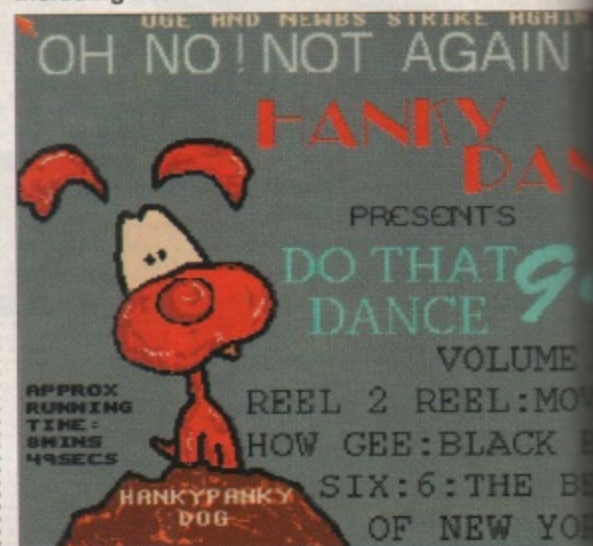
DO THAT DANCE music demo

Three tracks: I Like to Move It (Reel 2 Real), How Gee (Black Machine) and Bells of New York (Six:6) mixed together one after the other and stuck on a disk.

The mix isn't exactly adventurous, but runs smoothly enough from one track onto the next. Most of the samples sound good, although the breakbeats are a bit scratchy. Not a bad effort nonetheless, and well worth while if you're into any of the three tracks.

Available from: Mercury PD, 37 St Augustine Road, Chadwell Street Mary, Grays, Essex, RM16 4NU. Price: £2.00 including P+P.

77%



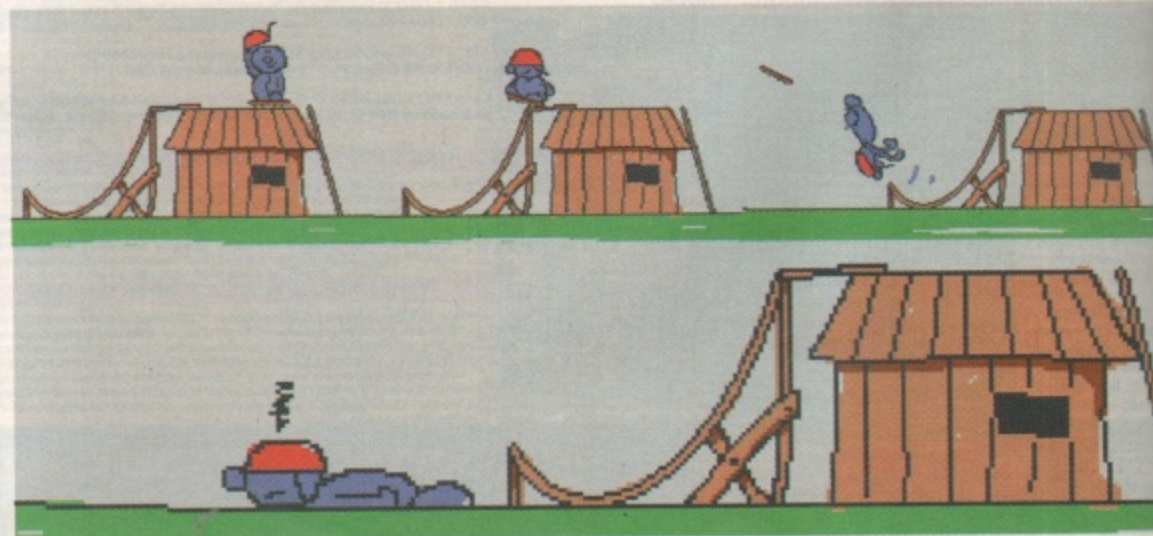
FLYING LESSONS animation

Meet Bob, a cuddly little blue thing. One day, whilst sunbathing in the park, Bob dreams that he can fly. Waking up to find that he can't he decides to rectify the situation and sets off down to the garden shed to knock up a rocket pack. The results of this and his later attempts are predictable but fun in a *Road Runner* kind of way.

However, it looks original – not just another Eric Schwartz rip-off. It's quite funny too, although the lack of any sound effects is a shame. Animation fans shouldn't miss it though.

Available from: 17 Bit Software, 1st Floor Offices, 2/8 Market Street, Wakefield, West Yorks, WF1 1DH. Tel: 0924 366982. Disk no. 3026. Price: £2.00 including P+P.

90%



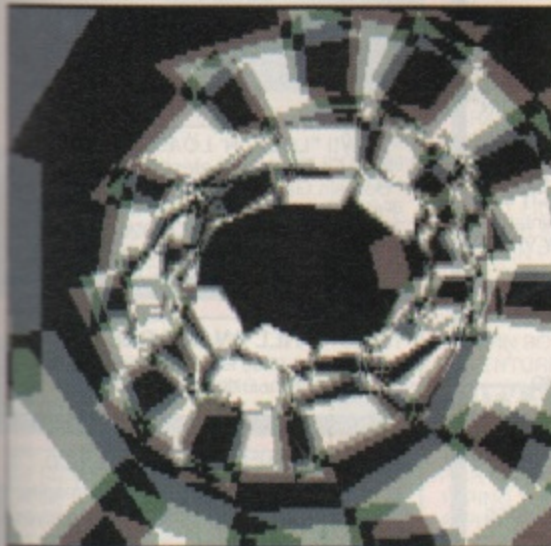


ASSASSINS 156 game compilation

As usual, this *Assassins* compilation is a mixed bag. There are three games: *Darts*, *Quackers* and *Karate Champ*. Fans of the sport of darts will no-doubt squeeze a bit of entertainment from the first, simple as it is. *Quackers* is the most impressive of the three. It's a simple platform game with no frills, but it plays okay. Then there's the hilarious *Karate Champ*. This is a hopeless clone of the coin-op that invented the beat 'em up theme. The sound effects are the best bits: "Ooo!" "Ouch!" "Oof!". Who needs commercial games eh?

Available from: Roberta Smith DTP, 190 Falloden Way, Hampstead Garden Suburb, London NW11 6JE. Disk no. ASI 156. Price: £1.40 including P+P.

69%



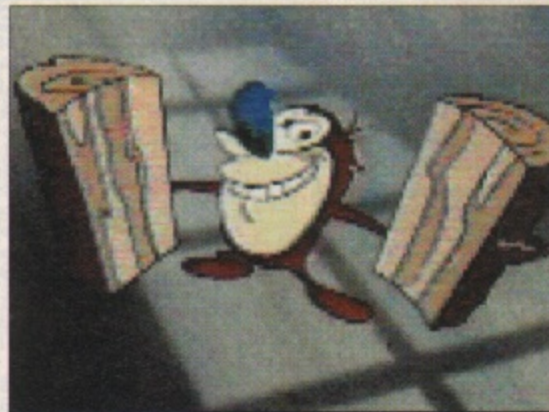
FRIDAY AT EIGHT demo

A shortie, this one, but a goodie nonetheless. It gets my vote from the off, thanks to its high-speed 3D zoom tunnel effects. Then it's over to some zooming 3D logos, followed by a load of blurred kaleidoscope effects, building up in speed and intensity to a bit of a sexy crescendo. After all that excitement, it sits back up and mellows out with another tunnel effect, this time a more chilled version, followed by the credits. It's over almost before it's begun, but it's good while it lasts.

Available from: Visage Computers, 18 Station Road, Ilkestone, Derbyshire DE7 5LD.

Tel: 0602 444501. Price: £2.00 including P+P.

75%



REN AND STIMPY slideshow

For those who have never seen it, *Ren and Stimpy* is just about the maddest, most stupid cartoon series ever, featuring the childish exploits of a disgusting-looking Chihuahua dog, and his brain-dead mate that I think is supposed to be a cat – not that you'd guess to look at him. This is a slightly disappointing slideshow taken from the Haunted House episode. All the pictures are displayed as quarter-screen HAM images, and although the digitising is okay, there's not much colour in them. Full-screen 64 colour pics might have been a better option. Still, there are enough frames for you to be able to watch the slideshow almost as a cartoon in itself, following the story through from start to finish.

Available from: David Parkes, Freestyle PD, 108 Woodside Way, Short Heath, Willenhall, West Midlands, WV12 5NH. Tel: 0922 404023. Price: £1.65 including P+P.

80%



DISKMAGS

UPSTREAM ISSUE 8

This is a mag for anyone who is seriously into the demo scene – not just the demos themselves, but all the gossip and bitching that goes on between the various coding teams. It's a bit like *Coronation Street* for hackers really – Whiplash has renamed himself Fizban, Stranger has been thrown out of DCS, and Terminal Silence received a phone bill for \$1422! Exciting isn't it?

Apart from that kind of stuff, there are opinions from around the scene (make demos hard disk installable), and other general scene-related rants and features. *Upstream* is totally dedicated to text articles, so you won't find any utilities or demos on the disk, although there is a tune to keep you entertained.

Recommended for the scene-junkie, but not for the casual demo fan.

Available from: Cynostic PD, Office 01, New Enterprise Centre, Little Heath Industrial Estate, Old Church Road, Coventry CV6 7NB. Tel: 0203 681687. Disk no. D0263. Price: £2.00 including P+P.

76%



AM/FM ISSUE 18

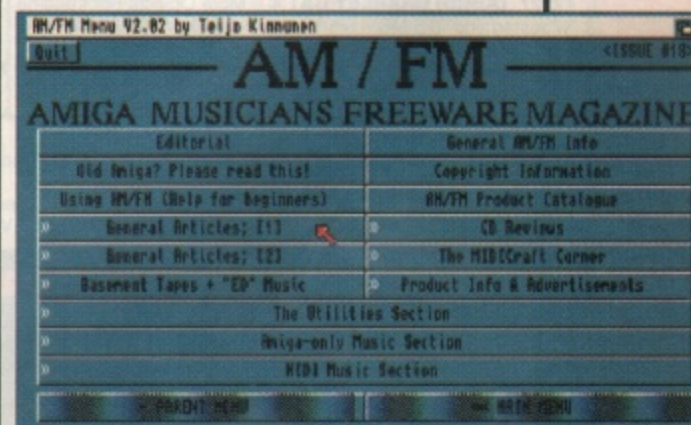
Aimed at Amiga musicians, *AM/FM* is one of the more individual disk mags around. Instead of cramming the disk full of as many articles as possible, *AM/FM*'s creators concentrate on publishing more interesting and useful articles, leaving room for some handy utilities on the disk.

Issue 18 includes reviews of the Toccata 16-bit sampler, Aural Illusion, CDs and readers demos. There are also features on buying your first synth, 16-bit sampling on the cheap, letters and news. In general the articles are very well written. All of the writers on the diskmag seem to know what they're talking about, and give good advice in the reviews and the occasional tutorial features.

On the software side, you get a demo version of the *Aural Illusion* sample editor, *General MIDI Patcher 1.1* demo, and *APercKey* (a drum machine system). Two tunes are included, and there's even a batch of MIDI song files too. With all this software in addition to the magazine, it makes a very worthwhile buy for any enthusiastic Amiga musician.

Available from: Cynostic PD, Office 01, New Enterprise Centre, Little Heath Industrial Estate, Old Church Road, Coventry CV6 7NB. Tel: 0203 681687. Disk no. D0251. Price: £2.00 including P+P.

68%





52,000 MEMBERS!!

FOR THE BEST IN PUBLIC DOMAIN & CD ENTERTAINMENT, NO-ONE ELSE COMES CLOSE!

DEMO CD 2

Another stunning compilation of new PD products. This one is even better than the first! Over 600MB of Data! Get it now for £19.99 +75p P&P

CDPD VOLUME 3

Fish from F761 to F890, ready to run from the CD! Also includes dozens of high quality 24 bit scans plus Ham and AGA H8 versions & MUCH MORE! for only £19.99 +75p P&P

THE 17 BIT COLLECTION

This double CD collection contains 1700 disks from our own library from disk 0001 to 2301. All the classics are included, as well as hundreds of great PD games, Demos, Music etc. Yours for Only £39.99 + £1.00 P&P

TEAM 17 CD's FOR CD32

Alien Breed & Quak £19.99
Project X & F17 £19.99
Each Disk Contains 2 Titles!

NEW!! 17 BIT II - THE CONTINUATION

Includes 17 Bit Disks From 2302 To 2800, Assassins Games Disks from 1 To 140 (Over 500 Games!!) NZ Disks, T Bag Disks, ARUG & AMIGANI! Also Includes A FULL File Search & Index Across Our Previous CD's Too! AMIGA FORMAT GOLD! £19.99 +75p P&P

NEW IN! MULTIMEDIA TOOLKIT!

This CD contains all you need for your own Multimedia Productions! Thousands of clipart images in colour and B&W, even scaleable art! Hundreds of Adobe, Postscript & CG Fonts are also included, not to mention the 750 Modules & 2300 SFX! only £19.99 +75p P&P

DEMO CD "SPECIAL OFFER"

Over 650 MEG of demos, cliparts, music, slideshows, games and utilities not to mention over 1000 modules! £17.99 +75p P&P

AMINET FEB 94 EDITION

The Latest Update Of One Of Our Best Selling CD's Yet. Brand New Feb 94 Issue In Stock NOW! £19.99 +75p P&P

NEW!! "LOCK 'N' LOAD" CD (USA)

1000 Of The Very Latest & Best Public Domain Games, Ready To Run Direct From The CD Which Even Makes This One OK For CD32! Miss It At Your Peril! £19.99 +75p P&P

STILL AVAILABLE

CDPD1 (Fred Fish From 1 to 660)
CDPD II (Fish From 661 to 750 & More) £19.99

NEW!! - SPACE & ASTRONOMY CD

Includes Thousands of Superb GIF Images & Astronomy Texts From the NASA Archives Since 1962! Only £19.99 + 75p P&P

FINAL FRONTIER 6

** Calling all Star Trek Fans**
T.F.F. is a dedicated Trek mag on 5 packed disks. Includes exclusive artwork by none other than Tobias Richter! £7.50

NOTHING BUT AMOS - DISKMAGAZINE

Issue 6 Is Now Available On 2 Disks For £4.50 N.B. Amos is Aimed At Helping You To Get The Most Out Of Amos Whether You Are A Beginner Or Already An Expert!! Superb!

CD32

MICROCOSM
STUNNING GRAPHICS,
STUNNING SOUNDS,
STUNNING GAME,
"ITS STUNNING"
£35.99 +75p P&P

BJORNE LYNNE PRESENTS.....

Following The Success Of "Hobbits & Spaceships" Comes The Stunning New Release "MONTAGE". Over 70 Mins Of Digital Audio, Arranged On Amigas For The Ultimate In Stereo Synth! £14.99 +75p P&P

GREAT PD GAMES!

+3068 SCORTCHED TANKS 1.7
More Weapons, Much More Fun!
+3064 ALIEN FRENZY
2 Player Shoot Each Other Type
+3059 PARADROID 64
Superb Classic Conversion!
+3050 TOADO
Frogger Clone 3 Level Demo.
+3047 HIGH OCTANE
Like Overdrive! Overhead Race
+3044 SPACE INVASION II
CLASSIC Space Invaders.
+3042 A DAY AT THE RACES
Horse Racing Management.
+3041 FORTRESS
Great playable Demo Of This
Excellent Shareware Game!
+3039 ROBS HOT GAMES *1
Compiled By Our Very Own Rob,
This Disk Offers 5 Great Games.
+3035 GALAGA DELUXE
Souped Up Galaga 92!
+3032 GALAXY BLAST
4 Way Scrolling Shoot Em Up.
+3030 PROJECT BUZZBAR
Remember Critical Mass!?
+3028 NOSTALGIUM
Excellent Uridium Style Shoot em.
+3019 SILVERBLADE
Helicopter Shoot EmUp
+3005 TOYBOX
Bombclear & Killer Tomatoes
+3003 RAISE THE TITANIC
Nice 3D Game like Mercenary.
+3002 GAMES GALORE 13
The latest AGA OK Game Comp.
+3001 GAMES GALORE 12
More Games From Mr Henderson+
+3000 GAMES GALORE 11
More AGA Comp Stuff.
+2996 TASKFORCE
Superb! Remember LaserQuest?
+2993 2P GAMES 1200
AGA Comp of 2 Player Games.

AMIGA ANIMATIONS

+3026 FLYING LESSONS
Excellent Anim Requires 2MB
+2983 (ABC) CHARLEY CAT
"In Sickness & In Health" 3MB
+2982 (ABC) CHARLEY CAT
"XMAS" 2 MB
+2970 (ABCD) CHARLEY CAT
"Dandruff Duo" 3.5" MB
+2974 (ABC) G.I. SPY
Great 3 Megabyte Animation
+2940 MR HORNY ANIMATION
Great Adult (ish) Animation!!
+2927 (ABCD) CHARLEY CAT 4
"Moustermind" 3.5 MB
+2925 (ABC) CHARLEY CAT 3
"How to catch A Canary" 3MB
+2923 (AB) CHARLEY CAT 6
"Charlies At The Flix!"
+2922 (AB) CHARLEY CAT 2
"Down At The Seal"
+2872 (ABCD) MEAN MACHINE
Great AD for Commodore CD32 By
Craig Collins! 3.5MB Needed!

UTILITY DISKS

+3071 CD-READER
Easy To Use Parnet Clone!
+3069 STEREOSCOPE
Shareware Stereograph Creator
+3065 X-PASSWORD
Hard Drive Password Util
+3063 COLOUR SWAP
Swap Picture/Palette Colours
+3062 TELETITLE 2 LORES
Now Merged With Telescroll I
+3058 VARK CLI UTILS 4
Compilation Of C.L.I. Utils
+3054 ASI MULTIVISION AGA
GFX Utils For AGA Machines.
+3053 CITIZEN PRINTER MNGR
Hot Utils For Your Citizen Printer
+3054 ASI FIX DISK II
Loads More Compatibility Utils.
+3051 ACCOUNT MASTER 2.21
Update To Popular Accounts Pkg
+3052 EAGLEPLAYER
Superb 700K Module Player!
+3048 VIDEOTRACKER
Make Your Own Hot Rave Demos
+3040 ROB'S HOT STASH *1
All The More Commonly Asked
ForUtils Compiled By Our Rob
+3025 GOLF GURU V1.2
Keeps Golfing Averages Etc.
+3023 TELESROLL V2.0
Updated Video Titler.
+3022 AMOS EYES
Create Front Ends For Programs
+3008 LECasm V1.0a
Combined Assembler/Editor
+2991 THE DESIGNER V2.13
Includes Source, Game Design.
+2988 C.A.G. 3.1
"Create Adventure Games Util"
+2986 NO SAMPLER? UTILS *3

ODD BITS!

3rd in the Series of Sound Utils.
+3067 MAG. E. ISSUE II
More Gothic D+D Stuff
+3057 JCB SAMPLES *1
Jazz, Classical & Blues Samples
+3056 WICKED SPEECH SMPL
Collection Of Vocal Samples
+3034 F1 SOURCE
Loads of Amos Source Code!
+3024 PSYCHO IMAGINE OBS

GRAPEVINE 19!

Ok, You can Stop All The
Enquiries! Its Here At Last!
Grab Yours Now! £4.00 Inc.

More Objects For Imagine Use.
+3010 VOCALS *2
+3009 VOCALS *1
Samples of Voices Etc For Mods.
+2999 FONT FARM 8
+2998 FONT FARM 7
+2997 FONT FARM 6
Over 50 Bmp Fonts On Each Disk.
+2995 JOKEBOX 1
WARNING Adult Only Jokes Disk!
+2990 NOSTROMO SOLVES V2

DEMO DISKS

+3070 FRIENDS OF PAULA 5
More Musak For Paula Fans
+3066 INFINITY
Very Nice Plasma Cycle Demo
+3061 (AB) SEVEN SEAS S/S
Superb Gothic Fantasy Slides
+3055 DEVOLUTION SLIDES 2
Excellent Raytraced Artwork
+3033 BIOMECHANOID
Well Ambient 600K Music Mod!
+3031 HIRED GUNS MUSIC
Possibly The Best Ever Musak!
+3029 (AB) THE MIDNIGHT HR
Original Music Composition
+3027 3D STEREOGRAM PICS
HAM Stereograms To Boggle!
+3006 SONGS FROM T'GUIDE
Rob Baxter Presents.....
+2973 NEURAL ASSAULT
Excellent Dance Demo By Rage
+2968 ARTE DEMO BY SANITY
Very nice, Alternative Demo
+2965 NEOPLASIA - PHOBIA
Great Music Disk, Not Usual Stuff
+2960 ZONE WARRIOR
Another nice Music Presentation.
+2950 RINK A DINK (NOT AGA)
Superb New Melon Demo!
+2948 DREAM TRIPPIN
Digitals latest Demo Production
+2941 SUBTLE SHADES
Great Demo By Nuance.
+2919 (AB) SPACE BALLS!
9 Fingers Demo, if you liked state
of the Art, You'll die !!
SERIOUSLY GOOD!
+2915 A TASTE OF U41A
Old, But popular U41a Toons
+2913 TYMPANIC MEMBRANE
Great new Demo by PANACEA
+2879 HELIOPOLIS DEMO
Another Stunning Demo!!

EDUCATIONAL

+3038 KIDS DISK II
+3037 KIDS DISK I
Great Kids Stash Compilations
+3036 KIDS DTP V2.6
An Update to The Popular DTP
+3017 ILLUSIONS
Animated Art Package. Great!
+3007 KIDS DTP EXTRAS
Stickers, Pics Etc For kids DTP
+2984 A-Z PAINT
Great Paint Prog for young kids
+2967 SMARTY PAINTS
Serious Art for Kids, Preview Ver.
+2966 KIDS DISK 3
Shareware DTP for Kids.
+2926 (AB) TOME OF MYTHS
Read all about those Myths
+2920 ASI BACK TO SCHOOL 3
Even more Educational Progs!
X2916 (AB) TUTANKHAMUM
Educational Slideshow for AGA.
+2909 FRENCH VERB TESTER
Err, Test French Verbs!
+2886 AZ SPELL V2.02
Wot Du Ya Meen Ye can Spel

AGA DEMOS

X3046 (AB) BIG TIME SENSUAL
2 Disk AGA Extravaganza!!
X3016 FAIRLIGHT FULL MOON
Superb. Fairlight Do It Again.
X3015 NOXIOUS:
Demo Titled "Beyond Belief"
X3014 (ABC) INNESTATION
Present Ray World. Excellent.
X2934 VOLCANO AGA
Colours Bobs sounds, Its all here!
X2933 (AB) COMPLEX "ORIGIN"
One of the best AGA Demos Yet!
X2932 SMELLS LIKE CHANEL 5.
Excellent Production from ARISE
X2930 XANADU - EXPLICIT II
Another worthy AGA Presentation.
X2929 ABSTRAX PIG BY VIVID
Weird Name, Nice Demo
X2918 EMPTY HEAD AGA
Good AGA based Demo.
X2891 TROJAN AGA
Techno Trax II
X2826 PANTAHARI DEMO
Great AGA Demo

AGA SLIDESHOWS

X3060 (AB) NIGHTBREED *3
More Top Quality AGA Pics
X3004 (AB) SHAD ART SLIDES
Superb Hand Drawn & Traced
Pictures. Ferrari & Misc Objects.
X2977 M.C ESCHER SLIDES
S.Show of Mind Bending Images!
X2959 JPM'S AGA PICS *5
X2958 JPM'S AGA PICS *4
X2957 JPM'S AGA PICS *3
X2956 JPM'S AGA PICS *2
X2955 JPM'S AGA PICS *1
Most of the images on the above
disks are of the Fantasy Art Genre,
all in 256 colour, they look superb
on AGA Machines!
X2931 (AB) SCAN IS LAME
Superb AGA Hand drawn Pics!!
X2896 ERIKA (AGA)
Erika Eleniak in 256 colours!
X2863 (AB) BODYSHOP V
More lovelies in 256 colours!
X2862 (AB) FIT CHIX 3
Yet more pouting girls!
X2859 BODYSHOP III
You guessed!
X2856 (AB) FIT CHIX II

MISC AGA DISKS

X3020 SWERVE AGA
Superb Video Backgrounds!1
X2975 CHANNEL Z ISSUE 3
AGA Owners Disk Mag!

ITS BACK!!

UNTIL THE END OF JUNE
'94 CHOOSE AN
EXTRA FREE DISK OF
YOUR CHOICE WITH
EVERY 5 YOU ORDER!

ORDERING

BY PHONE
(0924) 366982
BY FAX
(0924) 200943
All Major Cards
Including SWITCH

POSTAGE RATES

Please Add 50p For All
UK orders. Europe
Please Add 10% Rest
of World Add 20% of
Total Value of Order

BY POST

Please send Cheques/PO's To:-
17 BIT SOFTWARE
1ST FLOOR OFFICES, 2/8 MARKET STREET
WAKEFIELD
WEST YORKSHIRE WF1 1DH

DISK PRICES

1-10 Disks £1.50 Each
11-20 Disks £1.25 Each
21 Disks or more £1.00 Each!
1 FREE WITH EVERY 10 YOU BUY!
(AB) Etc Denotes Mutiple Disk Title

CLR LICENCEWARE

AMFM 18

Latest Musicians Music Mag.
£2.50 Per Issue Or £4.50
If Purchased With Samples

CDPD 1

Still Available And now OK
On Your CD32. Special
Price At £17.99 +75p P&P



(0924) 366982

THAT BIT BETTER THAN THE REST

EDUCATIONAL-WARE

- CLE01 (2) DINOSAURS
- CLE02 GEOLOGY
- CLE03 (3) SOLAR SYSTEM
- CLE04 COLOUR PAD
- CLE05 A-CHORD V5.1
- CLE06 T.A.M.I.
- CLE07 (2) FISHING
- CLE08 NIGHT SKY
- CLE09 WORDS & LADDERS
- CLE10 (3) BASICALLY AMIGA
- CLE11 LET'S LEARN
- CLE12 ALPHABET TEACH
- CLE13 HOME-BREW
- CLE14 (3) ECOLOGY
- CLE15 FASTFRET V2.0
- CLE16 (2) HISTORY
- CLE17 THINGAMAJIG
- CLE18 WORK & PLAY
- CLE19 PLAY ITSAFE
- CLE20 BIG TOP FUN
- CLE21 JIGMANIA
- CLE22 CHESS TEACHER
- CLE24 (3) SPEED READING
- CLE25 CHORD COACHING V3.1
- CLE27 (3) C.A.T.T.
- CLE28 FUN WITH CUBBY
- CLE29 PREHISTORIC PACK
- CLE31 (2) UNDERSTANDING AMOS
- CLE32 (2) SPITFIRE V2.1
- CLE34 (2) YOUR FIRST PONY
- CLE35 (2) SOLAR SYSTEM 2
- CLE39 (2) MY LITTLE ARTIST
- CLE40 BOREALIS JUNIOR
- CLE41 (2) BASICALLY MEDICINE
- CLE42 COMPOSITION
- CLE43 AMOS LANG QUIZ
- CLE44 PORTRAITURE
- CLE45 FUN WITH CUBBY 2
- CLE46 BASIC ANATOMY
- CLE47 SEA SENSE
- CLE48 ROCKET MATHS
- CLE49 (3) DINOSAURS 2
- CLE50 (2) D.R.A.T. V2.4
- CLE51 PAINT, PASTE & DRAW
- CLE52 TELL THE TIME
- CLE53 LETS LEARN 2
- CLE54 (2) TITANIC
- CLE55 BASICALLY BASIC
- CLE56 (2) BASICALLY CHEMISTRY

GAME-WARE CONT.....

- CLG29 BILLY BALL
- CLG30 CAPTAIN K
- CLG31 DIRTY RACKETS 1.5M
- CLG32 7 BLOCKS
- CLG34 BATEROONS
- CLG35 CYBERNET
- CLG36 OGI
- CLG37 RAW
- CLG38 QUINGO
- CLG39 CYBALL 5
- CLG40 TRAX
- CLG41 F1 RACER
- CLG42 CRYSTAL SKULL
- CLG43 (2) PIC-IT
- CLG44 VIKING SAGA
- CLG45 KNIGHT FIGHT
- CLG46 ARCHPELAGO CPGN
- CLG47 KIDS FUN PACK
- CLG48 (2) THE LOST PRINCE
- CLG49 SPACE POWER
- CLG50 HAIRPIN 2
- CLG51 TEN PIN BOWLING
- CLG52 ADVENTURE CREATOR

UTILITY-WARE

- CLU01 VIDEO TITLER
- CLU 02 FISH INDEXER
- CLU 03 TYPING TUTOR
- CLU 04 ALPHAGRAPH V1.10
- CLU 05 S.A.S. MENU MAKER
- CLU 07 PHILO V1.12
- CLU 09 (2) PLAY AND RAVE
- CLU 10 POWER ACCOUNTS V1.10
- CLU 11 CALC V1.3
- CLU 12 VIRTUAL WINDOWS
- CLU 13 DATOS
- CLU 14 STOCK CONTROLLER
- CLU 15 EPOCH PROFESSIONAL
- CLU 16 X-STITCH MASTER LITE
- CLU 17 LC10/LC20 FONTS
- CLU 18 BJ10 FONTS
- CLU 21 INVOICE MASTER
- CLU 22 HARD DRIVE MENU
- CLU27 IMAGEBASE
- CLU 28 ADVENTURE TOOLKIT 4.1
- CLU 29 G.F.X.
- CLU 30 DRAW SELECTOR
- CLU 31 FLOW CHARTER
- CLU 32 POWER TEXT 2
- CLU 33 AM TUITION
- CLU 34 IMAGE DOCTOR V1.10
- CLU 35 CRITERION
- CLU36 (2) ILLINOIS PRO
- CLU37 FIND IT

GAME-WARE

- CLG05 TRUCKIN' ON
- CLG08 DRAGON TILES AGA
- CLG09 MOTOR DUAL
- CLG11 ALL GUNS BLAZING
- CLG12 BULLDOZER BOB
- CLG13 PARADOX
- CLG14 SONIC SMARTHEAD
- CLG16 CRYSTAL MAZE
- CLG17 IMBRIUM
- CLG19 (3) STELLAR ESCAPE
- CLG20 JUNGLE BUNGLE
- CLG21 FLOWER POWER
- CLG22 STOCKING FILLERS
- CLG23 MARVIN MARTIAN
- CLG24 EASY MONEY
- CLG25 WHITE RABBITS
- CLG26 MONSTER ISLAND
- CLG28 TIME RIFT

CLR PRICES
THE NUMBER IN
BRACKETS AFTER A
TITLE DENOTES HOW
MANY DISKS ARE IN
EACH SET
1DISK SET £3.50
(2) DISK SET £4.50
(3) DISK SET £5.50

OVERSEAS READERS! WHY NOT SAVE DELIVERY TIME & COSTS AND ORDER FROM AN OFFICIAL 17 BIT DISTRIBUTOR! WE HAVE DEALERS IN EUROPE, JAPAN, SCANDINAVIA, AUSTRALIA & THE U.S. WHO WOULD LOVE TO HEAR FROM YOU! SEE ADVERTS ON THIS PAGE



Box 242 S-124 02 Bandhagen Sweden
Tel. +46- (0)8-749 08 06
Fax +46- (0)8-749 26 76

SVENSKAR! NORRMÄN! FINLÄNDARE!

Beställ 17 Bit diskar från oss!
Den enda officiellt godkända leverantören av 17 Bit diskar i Sverige
Nordens ledande Public Domain & Shareware bibliotek för Amiga och PC
1 till 3 diskar.....23kr/st 21 till 30 diskar.....17kr/st 31 diskar & fler.....16kr/st
3 till 10 diskar.....20kr/st 11 till 20 diskar.....18kr/st Endast postens avgifter tillkommer.

MUSIK

- Tidningen AM/FM nr 18- nytt nr!.....35:-
- AM/FM Samplingsdisk nr 18.....35:-
- Eller köp både tidnings- & samplingsdiskarna för 65:-
- ProTracker 3.1 licenserad version 3.1.....35:-
- OctaMED 2.0 Musikprogram med 8 kanaler!.....23:-
- Super Sound II samplingsdisk.....23:-
- Quadra Composer 2.0 svenskt musikprogram.....23:-
- 10 DOS 2.00.0-mysket bekvämt.....23:-
- Instrument till ProTracker, 10 diskett.....170:-
- Röster fem disketter med sjungande mänskliga röster.....85:-
- Rytmer olika rytmer, varmt till techno, fem disketter.....85:-
- Amigamoduler musikmoduler från demos Adyl.....85:-
- Hittmoduler till ProTracker, 5 disketter.....85:-
- Rockmoduler (hård)rock musik, fem disketter.....85:-
- Technomoduler flera teknochits på 5 disketter.....85:-
- Nya Amigamods 2 Järre, Kraftverk, Oldfield m.fl.....85:-
- Nya Amigamods 3 Synth musik, 5 disk.....85:-
- Nya Amigamods 4 Film- och gitarr-musik.....6 disk.....85:-
- Nya Amigamods 5 Nya teknochits, 6 disk.....85:-

REKOMMENDERAS

- SR.90 mCAD- Computer Aided Design
- SR.165 TextPlus 3.0- bra texteditor för alla Amiga
- SR.186 SID 2.0- filkopieringsprg som DirectoryOpus
- SR.364 PC-AMIGA filöverföring, enkelt att använda
- SR.561 Ultra Glos 4- svenskt glosprogram
- SR.613 PC Emulator- kör PC program på Amigan!
- SR.817 FreePaint rev. 37- ritprogram som Paint 3!
- SR.840 Compress Disk- för dubblad HD, DOS 2.0/3.0
- SR.849 Multi DOS 1.12- läser/skriver PC disketter
- SR.850 FreeCopy- m. bra kopieringsprogram
- SR.892 NComm 3.0- komm- program, ny ver.
- DD.878-877 Spaceballs "9 Fingers" - du kommer inte att tro dina ögon!- digitaliserad videofil 1MB Chip
- SR.899-900 DICE 6- bra C- kompilator, shareware
- SR.901-912 Amiga C Encyclopedia 3.0 - m. utförlig C-manual, 175 programkompil. 12 diskar, 1800- kr
- FF.935 Virus Checker 6.33- senaste virusöddaren
- SR.937 Magic Wb Extra- ikoner & bakgrundsbilder för MagicWb eller Wb3.0. Magic Wb finns också att få
- SR.940 Pee Bee- kul shoot'em up spel, Zool liknande
- SR.942 Super Duper 3 m. bra kopieringsprg. OS 2/3
- SR.944 Zip 2.0- arkivering, komp. med PC- motsv.
- SR.945-946 AREXX Guide 2.0- handbok för AREXX-programmering, nu en ny, mycket utförligare version.
- SR.948 Viewtek 2.01- bildvisningsprogram, ny ver.
- SR.949 Senseless Violence- skjut din motståndare!

MUSIK CD:s

- Sounds Digital musik CD av A. Brimble, massor med kända låtar från Amigaspel.....149:-
- Hobbits & Spaceships av Björn Lynne.....159:-
- Montage Ny Ny skiva från Björn Lynne!.....169:-

Fred Fish CD

- Fred Fish skapar ett ge ut en upskattad serie för Amiga på disketter och går över till CD! Du har nu möjligheten att prenumerera på följande CD skivor från Fred Fish:
- Fresh Fish - kommer ut varje eller varannan månad, innehåller minst 100MB med nya Amigaprogram
- Passar A570, CDTV och Amiga CD32 (med mus)
- Frozen Fish- kommer ut en gång per kvartal och innehåller samma program som Fresh Fish, fast arkiverade ("Packade") - ej CD32 kompatibel.
- Prenumerera nu!
- Uppgåen är begränsad! Pris: 269:- kr/st
- Gold Fish - dubbel CD, Fish 1-1000.....RING!

AMIGA のプロショップだ!

A600DX SET V2.004	A500 V1.3 1MB RAM	A1200 V3.0 AGA	A1200HD V3.0 AGA 85MB
59,000	54,000	74,800	144,000
A2000 V2.05+ECS	A4000-030 5MB/HD120MB	A4000 68040 6MB/HD120MB	A3000-030120/4MB
108,000	269,000	378,000	258,000

■グラフィックス	DC-TV	■エミュレーター
SCENERY ANIMATOR 2.....9,800	CALIGARI 24.....49,800	AMAX II PLUS.....57,900
BRILLIANCE.....27,900	ALADDIN 4D.....49,800	ROM FOR AMAX II PLUS.....34,900
DELUXE PAINT AGA.....49,800	PLAYMATION.....49,800	A236 BRIDGE BOARD.....42,600
IMAGINE 2.....49,600	REAL 3D CLASSIC.....18,800	386SX BRIDGE BOARD.....119,000
IMAGE MASTER.....27,900	OPAL VISION V2.0.....149,000	EMPLANT DELUXE.....78,000
RETINA 2MB.....77,000	PIXEL 3D PRO.....29,800	SYBILL.....14,000
■ビデオ	ROCKEY CROMAKEY	■音源
PERSONAL ANIMATOR RECORDER.....298,000	THE PERSONAL SFC.....72,800	AMOS PROFESSIONAL.....14,800
IMPACT VISION 24.....229,000	AVIDEO 24.....139,000	SAS/C LATIC C V6.0.....39,800
VIDEO TOASTER AGA.....19,800	DELUXE VIDEO I.....18,900	DEV PAC 3.....16,900
PERSONAL TBC III.....149,000	ART DEPT PRO AGA.....29,800	
MORPH PLUS.....29,800	FLICKER FREE VIDEO 2.....39,800	
VIDI-AMIGA 12 AGA.....25,900	CHROMA KEY PLUS.....58,000	
■ハードディスク	■アクセラレーター	
GVP 0MB/0MB SCSI CONTROLLER A500.....56,000	XL30 25MHz A500/A2000.....59,000	M12340XA 030 33MHz A1200.....72,800
GVP 0MB/0MB SCSI CONT A4000/A2000.....27,800	VXL32 2MB RAM FOR VXL30.....43,000	M123XAS 030 50MHz A2000.....89,000
2121MB 2.5" HARD DISK UNIT A1200.....89,000	DERINGER 28MHz A300.....69,400	G-FORCE 040 33MHz-4MB A2000.....229,000
128MB 2.5" HARD DISK UNIT.....65,000	MERCURY 35MHz A3000.....129,000	G-FORCE 40MHz-4MB A2000.....115,000
84MB 2.5" HARD DISK UNIT A12000.....49,000	DERINGER 50MHz-4MB +MATH-CD A500/33,800	G-FORCE 50MHz-4MB A2000.....153,000
60MB 2.5" HARD DISK UNIT A1200.....41,400	BLIZZARD TURBO 16MHz A500/A2000.....39,800	58881 MATH CO BOARD A1200.....26,900
A4051 SCSI-2 HD CONTROLLER A4005/59,800	A1230 TURBO 40MHz/4MB A1200.....95,400	58882 MATH CO BOARD A1200.....45,000
		A530 TURBO HD 120MB/1MB 40MHz.....154,000
■その他		
V2.1 UPGRADE KIT W/ROM.....19,800	ASIM CD-ROM FS.....14,900	PCM CIA 2MB A600/A1200.....32,900
V2.1 UPGRADE KIT W/O ROM.....12,000	SIMM RAM 4MB 60NS A400.....30,000	SUPER GEN GENLOCK.....99,000
MULTISTART II ROM SWITCHER.....12,900	SIMM RAM 4MB/MBX COPRO BOARD.....53,800	BACKUP CLOCK A1200.....8,900
EXTERNAL 2HD FLOPPY DRIVE A500/A2000 24,900	DIGIVIEW MEDIATION.....29,400	V.LAB 24 BIT.....78,200
INTERNAL 2HD FLOPPY DRIVE A2000 20,000	CLARITY 16.....29,400	CLOCK GENLOCK.....68,900
INTERNAL 2HD FLOPPY DRIVE A3000 20,000	SIMM32 4MB RAM 68030.....28,900	A12-FPOO SCSI A1200.....46,800
BACKUP BUDDY FLOPPY DRIVE.....25,900	DSR PLUS.....18,900	1942 QUADSYNCH MONITOR.....79,800
TOSHIBA 1.2GIG HARD DRIVE.....230,000	MEGA MIX MASTER.....9,800	KITCHEN SYNC.....227,000
		EUREKA SCANNER 400DPI.....27,600

■ハードディスク	■アクセラレーター	
GVP 0MB/0MB SCSI CONTROLLER A500.....56,000	XL30 25MHz A500/A2000.....59,000	M12340XA 030 33MHz A1200.....72,800
GVP 0MB/0MB SCSI CONT A4000/A2000.....27,800	VXL32 2MB RAM FOR VXL30.....43,000	M123XAS 030 50MHz A2000.....89,000
2121MB 2.5" HARD DISK UNIT A1200.....89,000	DERINGER 28MHz A300.....69,400	G-FORCE 040 33MHz-4MB A2000.....229,000
128MB 2.5" HARD DISK UNIT.....65,000	MERCURY 35MHz A3000.....129,000	G-FORCE 40MHz-4MB A2000.....115,000
84MB 2.5" HARD DISK UNIT A12000.....49,000	DERINGER 50MHz-4MB +MATH-CD A500/33,800	G-FORCE 50MHz-4MB A2000.....153,000
60MB 2.5" HARD DISK UNIT A1200.....41,400	BLIZZARD TURBO 16MHz A500/A2000.....39,800	58881 MATH CO BOARD A1200.....26,900
A4051 SCSI-2 HD CONTROLLER A4005/59,800	A1230 TURBO 40MHz/4MB A1200.....95,400	58882 MATH CO BOARD A1200.....45,000
		A530 TURBO HD 120MB/1MB 40MHz.....154,000
■その他		
V2.1 UPGRADE KIT W/ROM.....19,800	ASIM CD-ROM FS.....14,900	PCM CIA 2MB A600/A1200.....32,900
V2.1 UPGRADE KIT W/O ROM.....12,000	SIMM RAM 4MB 60NS A400.....30,000	SUPER GEN GENLOCK.....99,000
MULTISTART II ROM SWITCHER.....12,900	SIMM RAM 4MB/MBX COPRO BOARD.....53,800	BACKUP CLOCK A1200.....8,900
EXTERNAL 2HD FLOPPY DRIVE A500/A2000 24,900	DIGIVIEW MEDIATION.....29,400	V.LAB 24 BIT.....78,200
INTERNAL 2HD FLOPPY DRIVE A2000 20,000	CLARITY 16.....29,400	CLOCK GENLOCK.....68,900
INTERNAL 2HD FLOPPY DRIVE A3000 20,000	SIMM32 4MB RAM 68030.....28,900	A12-FPOO SCSI A1200.....46,800
BACKUP BUDDY FLOPPY DRIVE.....25,900	DSR PLUS.....18,900	1942 QUADSYNCH MONITOR.....79,800
TOSHIBA 1.2GIG HARD DRIVE.....230,000	MEGA MIX MASTER.....9,800	KITCHEN SYNC.....227,000
		EUREKA SCANNER 400DPI.....27,600

店頭・通販
輸入直販
木曜定休
a beautiful amiga life for you
システムコンパック
〒110 東京都台東区台東4-22-10
中園ビル3階
TEL: 03-3837-8689
FAX: 03-3837-8218

SPECTRUM GAMES PACK
OVER 100 CLASSIC SPECTRUM
GAMES FOR USE WITH *V1.7 OR *V1.6
OF THE SPECTRUM EMULATOR. 7
BURSTING DISKS FOR ONLY £10.00
INCLUDING P&P *
THIS PACK IS NOT RECOMMENDED FOR
A500/A600

IMAGINE 3D PACK
7 DISKS FULL OF IMAGES AND TEXTURES
TO USE WITH IMAGINE 3D
IMAGES ARE ARCHIVED WITH LHA
(AVAILABLE SEPARATELY)
THIS PACK IS NOT RECOMMENDED
FOR AMIGA BEGINNERS
ALL 7 DISKS FOR £10.00 INC. P&P

PD UTILITIES

No mon, no fun. Don't worry because Tony Horgan is here with this month's latest batch of PD releases.

FRESH FISH

CD compilation

Fred Fish is the undisputed King of Amiga Public Domain software. He seems to have been around since the very dawn of the Amiga, collecting the best (and sometimes worst) of the free software available and collating them to produce his famous 'fish disks'.

Recently, Fred made the decision to change from distributing floppy disks to selling CD-ROMs, but in the process he has done a lot more than simply copying the disks across. In fact, his CDs offer probably the best way ever to get the latest in Amiga programming talent.

The CD which we were sent came from PD Soft and is dated March/April 1994. Fred hopes to produce a new disk every one to two months, each one being a mixture of old and new material. In theory you should be able to buy every other disk and still obtain all the programs and files.

This CD-ROM contains 639Mb of software, of which approximately 59Mb is totally new material (Fish-Disks disks 951 to 975) and programs from the Aminet library. The rest of the disk contains some amazing finds, including 284Mb of useful utility programs such as the GNU C++ compiler and PasTeX – a full TEX (a text-based DTP) system.

Programmers will love this disk. Not only is there a full complement of utilities, compilers and programming tools, but the distributable Commodore Native Developer Kit is also included. If you do any C programming on the Amiga you'll know how tricky it is to get hold of the right information: well here it is, all on one disk. In the other drawers you'll find plenty of text files (such as hardware and software reviews) and a comprehensive Amiga FAQ list (Frequently Asked Questions). There are one or two games present, but this is a collection for the more dedicated Amiga user.

Fred has really paid great attention to the way files are stored on the disk. Not only are the useful utilities 'ready to run', but many files are already archived for the owners of Bulletin Board Systems to provide on-line.

Obviously, you'll need a CD-ROM drive to use this disk, but that needn't be a major problem. If you don't have a 'big box' Amiga and a CD-ROM drive, the Commodore A570 drive is still available for A500Plus owners, and (assuming you have an external floppy drive) any spare CDTV's can easily be brought back into service. Even CD32 systems can be used using the new serial cable adaptors (see elsewhere for review).

Available from: PD Soft, 1 Bryant Avenue, Southend on Sea, Essex, SS1 2YD. Tel: 0702 466933. Price: £19.95 (plus £1 P+P). Or available from: Fred Fish, Amiga Library Services, 610 N. Alma School Road, Suite 18, Chandler, AZ 85224-3687, USA or fax 0101 (602) 917-0917. Price: \$19.95 plus \$5 for airmail costs.



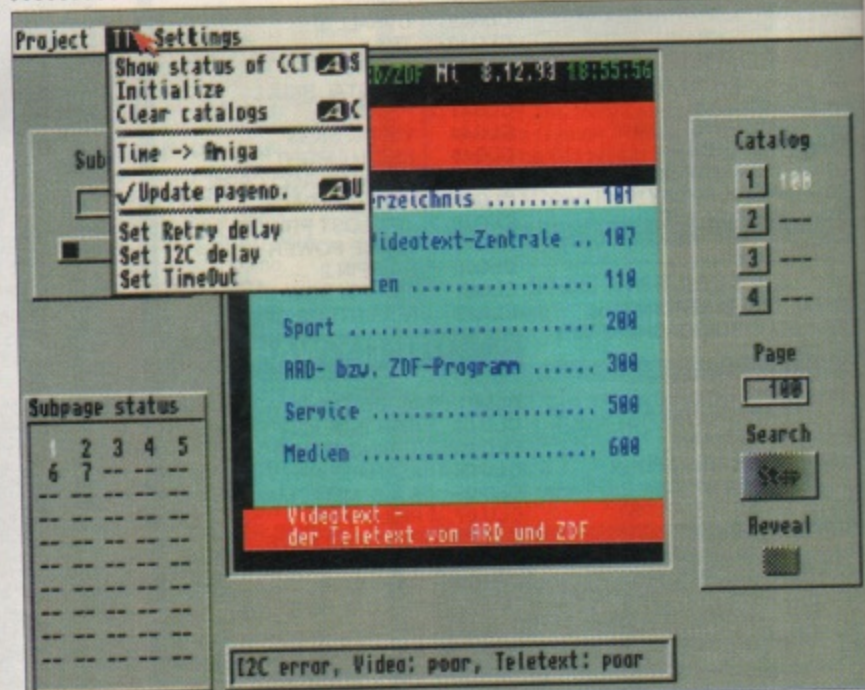
Nestling in a drawer of the Fresh Fish CD-ROM you'll find the latest pictures from NASA regarding the Hubble Space Telescope. There is so much data on this disk it will take weeks to look through it all.

AM/FM SAMPLES 18

sound samples

How appropriate, the 18th sample disk released by AM/FM diskmag people contains exactly 18 samples. The sounds themselves are all big 'pads' (big synth atmospheric sounds) sampled from an exorbitantly expensive synthesiser. Some of these ambient, moody sounds are looped, some are single notes, and others are included in a number of chord variations, ranging from 30K to 65K in size. There's a bit of top-end noise on quite a few of these samples, but this can be remedied with some filtering. Other than that, the sound quality is well up to scratch.

Available from: Cynostic PD, Office 01, New Enterprise Centre, Little Heath Industrial Estate, Old Church Road, Coventry CV6 7NB. Tel: 0203 681687. Disk no. S0220. Price: £2.00 including P+P. **78%**



TELETEXT 1.20

teletext receiver

This is half of a software and hardware project that allows your Amiga to receive teletext. You need to use it in conjunction with a TV (or VCR), but the TV doesn't have to be teletext compatible. Once you've got your pages, you can save them out as ANSI, ASCII, IFF or the program's TT format. Instructions for building the hardware are on the disk. However you'll definitely need some electronics experience if you want to build the hardware. I'll level with you on this one – the DIY bit was beyond me, so I can't say how well the system works.

Accordingly, I haven't scored the program, but if you like to mess about with a soldering iron and fancy a teletext compatible Amiga, it should be worth looking at.

Available from: Cynostic PD, Office 01, New Enterprise Centre, Little Heath Industrial Estate, Old Church Road, Coventry CV6 7NB. Tel: 0203 681687. Disk no. U0293. Price: £2.00 including P+P.



CUTV SPORT PRESENTS BRENTFORD VS. AC MILAN

MULTIMEDIA BACKDROPS video backgrounds

If you watch TV news or sports programs you'll know that you can't escape the speckly backdrops that reside behind all the league tables, pie charts and other screens of text. This four-disk set is full of these unobtrusive backdrops, all in full overscan using 128 colours. If you have an AGA Amiga, the program leaves you another 128 colours for any graphics or text you might lay over the top. They're all textures of some kind, and come in various colour schemes. Anyone producing posh titles for TV or video should get hold of them pronto. By the way, they're not actually PD (Swerve Video retain the copyright).

Available from: Swerve Video, 99 Park Lane, Wednesbury, West Midlands, WS10 9PT. Tel: 021 502 4681. Price: £4.75 including P+P (overseas orders add £1.00).

90%

ESCAPE THE RATRACE COME TO THE MOON!

AUDIO MAGIC VI sound utilities

Best known for their game compilations, the Assassins are branching out into other areas these days. Volume 6 of their Audio Magic series brings you seven useful sound and music utilities.

Play It 2 is a simple tracker module player, *Sound Effect 2.1* is a sample editor that can work with both 8 and 16-bit samples, *M Play* is another module player that's controlled from a mock hi-fi system, *Quadra Composer* is a new tracker (reviewed in last month's PD Utilities), *Sound Machine* converts samples between IFF, RAW and the PC formats VOC and WAV. *D Sound 1.3* plays samples from a hard drive, and *FM Synth 1.1* is a decent sample synthesiser along the lines of *E-Z FM*, which was reviewed in the March 94 issue of CU AMIGA. Yes indeed, a handy disk and no mistake, missus.

Available from: Roberta Smith DTP, 190 Falloden Way, Hampstead Garden Suburb, London NW11 6JE. Disk no. MUS709. Price: £1.40 including P+P.

82%

ARTWORKS CLIP ART

Original images for the computer. NOT public domain

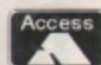
Each disk contains between 115 and 270 original, high resolution, high quality images for use with Amiga art, desk top publishing and video programs - Deluxe Paint, Photon Paint, Pagesetter, Pro Page, Pagestream, Wordworth, Penpal, Scala etc.

- | | | | |
|----------------------------------|-----------------------------------|--------------------------|----------------------|
| 1. Pets | 2. Castles, cottages and churches | 3. Trees | 4. Signs and symbols |
| 5. Wild animals | 6. Prehistoric life | 7. Signs and symbols 2 | |
| 8. Weddings and family occasions | 9. Fishing and freshwater life | | |
| 10. Signs and symbols 3 | 11. Christmas | 12. Frames and borders | |
| | 13. Sport | 14. Frames and borders 2 | |

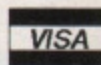


£7.99 each - 3 or more £7 each - Over 2100 images for only £98 - Inclusive of 1st class P&P.

Please make cheques/PO's payable to ARTWORKS
(Dept CU) Pondside, Wootton, Ulceby, S.Humberside. DN39 6SF



0469 588138



AMIGA COMPUTING - "Best Buy" CU AMIGA - awarded ★★★★★

AMIGA FORMAT - 85% AMIGA SHOPPER - "All are high quality... a bargain"

THE NO.1 HORSE RACING SOFTWARE

The software which predicted Nortons Coin at 100/1 to win the Gold Cup is now available by mail order. To get your hands on a copy of our No.1 selling Horse racing software, The Tipster™, please send cheques or postal orders payable to Sidmouth Software for the sum of only:

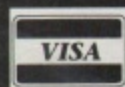
£24.95 inc VAT, P&P

The Tipster Professional (uses the Racing Post) is available on the Amiga, Atari and all PC compatibles. A Windows™ version is available for £64.95 which includes the Dos version.

Tipster International (uses daily papers) is also available at the same price, this software is designed for users who are just beginning to use their computers to predict horse race results.

A demo is available for £9.95 (refundable against purchase).

Sidmouth Software
PO Box 7, Sidmouth
Devon EX10 0TD
0395 567073



£1.00 PER DISK FOR 25 OR MORE DISKS!

P

S

D

THE PROFESSIONAL STANDARDS FOR DISTRIBUTION ENFORCED BY COMMODORE UK

A600/A1200

IF YOU OWN AN A500+, A600 OR AN A1200, THEN OWN A COPY OF

KICK 1.4

EM400

EST. 1991

DELTRAX PD

Tel/Fax: 0492 515981

PUBLIC DOMAIN AND SHAREWARE AT ITS VERY BEST

A600 OWNERS GET NUMPAD EM397 TO GET MORE PROGS WORKING

£1.00 PER DISK FOR 25 OR MORE DISKS!

P

S

D

THE PROFESSIONAL STANDARDS FOR DISTRIBUTION ENFORCED BY COMMODORE UK

EST. 1991

UTILITIES

U1 GHOSTWRITER Demomaker, easy to use

U1A GHOSTWRITER DATA For use with U1

U5 LOADSAVINGS Guess what!

U11 ICONMANIA Icon utilities

U42 DISK SALVAGE DR-UTL, Repairs disks

U54 QUICKBENCH PLUS Alternative W.B.

U56 ANTI FLICKER Stop Screen Flicker

U59 WINDOWS BENCH (2 disks) Excellent for W.B. 1.3

U60 MESSY SID II Dr-tool Amiga to PC

U73 DRWORK

U90 CLJ HELP + OTHERS Insight into the CLI

U91 MCAD DEMO Computer aided design

U95 ELECTROCAD DEMO Latest circuit design

U125 CROSSDOS Amiga to PC

U189 DESIGNER DISK SET (2 disks) Understand Amiga better

U183 HACK PACK (2 Disks) 72 tools for code busters

U190 SID V2.0 Dr tool, utilities

U195 LITTLE BENCH Alternative W.B.

U230 INSTALL Install your disks without the CLI

U242 MSH V1.3 handles MSDOS files

U260 SUPERLOCK V1.0 Security prog. lock off Amiga

U267 ARP V1.3 Alternative commands

U271 MBS SPEEDBENCH Fast loading W.Bench

U282 SUPER C DIR TOOLS Fast use of C

U297 COMPUTEREYES ICONS

U309 AMOS COMPILER UPDATE 1.34

U318 MULTITODS PC-Amiga

U320 CLJ-UTLs View useful

U321 AMOS 1.34 Update

U323 WINDOWS BENCH V2.0 (2 disks)

U324 WINDOWS RELEASE 3 Optimiser

U335 ASSASSINS HANDY TOOLS V3.0

U343 WORKBENCH HACKS (A500+A600+)

U346 PROF DEMO CREATOR V1.1

U349 SUPER POWER PACKERS

U351 WORKBENCH HACKS

U352 C-COMMANDS

U361 RDM Directory util

U391 HACKTAR 1.6 Adv. Creator

U392 STD CODE FINDER U.K.

U393 RAD BENCH 1.4 Make use of your RAM

U396 TOGGLE CLICK A600/A1200 only-Stops drive click

U404 ENGINEERS KIT Diagnostic tools

U408 TOOLS FANTASTICA

U412 LYAPUNOVIA Picture generator

U413 ARESTRAURE Mends deleted files

U414 FAST INTRO MAKER

U415 P-COMPRESS Packer

U416 B-TEXT Text packer

U421 KINGFISHER Fish index to 840

U423 LYAPUNOV Fractal generator

U424 ICON AUTHOR 19 Images for Icons

U425 AUTOSAVE Save at intervals automatically

U426 EASY BENCH (2 disks) W.B2 and above

U427 MENU MASTER 3

U429 PARTNET 2 Linked Link two Amigas

U435 AMOS PRO UPDATE Latest

U430 XFX COMPRESSION UTILS

U431 W.B2 UTILS

U433 AMOS PRINTER ROUTINE For Amos progs

U434 V MORPH V.2B Create great effects

U435 BANNER Make your own

U436 HEAD CLEANER For drives

U437 DISK SALV 2 Latest & greatest! W.B2 + above

U438 CSH SHELL V.3.1 Easy to use

U441 DISK MASTER II

U442 FRED FISH CATALOGUE 1-890

U443 PP SHOW v.3.4a

U444 HYPER use with AmigaGuide

U445 AMIGA GUIDE (2 disks) Hypertext utility

U446 AMI v1.35 for archivists

U447 ADGC v3.01 help utility

U448 DISTEST v2.03 checks integrity

U449 SOFTPROJECT write protection

U450 SUPERDARK v1.2 screen blanker

U451 APRF v1.4 print utility

U452 GUARC v1.1 for CLI based archivists

U453 LANGBUILDER v2.2 Fractal land gen.

U454 PC-AMIGA file utility

U455 TRONICAD electronic circuit design

U456 X-BENCH (2 disks) replacement W.B.

U457 ROT-3D drawing package

U458 SNORPLOS get progs working

U459 T.S. MORPH

U460 AREXX GUIDE

U461 BEANS CRUNCHERS

U462 ASSASSINS FIX DISK 1

U463 ASSASSINS FIX DISK 2

U464 AF'S REPLACEMENT WR (3 disks) not A1200

U465 T.A.C.K. Anim. Cont. Kit

U466 T.A.C.K. Music Modules

U467 T.A.C.K. Background Picts

U468 ZIPBENCH (2 disks) not 1200

U469 SUPERVIEWER V2.4 Slideshow util.

U470 UDRAM

U471 MINIMORPH

U472 SCALE ICON

U473 CATALOGUE COLLECTOR

U474 SPICE 3 Circuit Analysis

COMMUNICATIONS

C25 COMMSOFT Needs C26

C26 COMMSOFT Needs C25

C62 AZ-COMM Modern programme

C222 JR COMM v1.02 For modems

C249 TERM II v1.1 Comms prog. WB2/3

C303 OPTI COMMS Inc. N Comm 2

C347 SATELLITE TRACKER

C357 to C382 AMATEUR RADIO 1 - 26 (26 disks) send for details

C383 N COMM v3.0 Latest

C384 BUBBLES (3 disks) Bulletin board system

C385 TERM v3.4 (2 disks) WB2/3

C386 SPOT FidoNet util

C387 TERMINUS JR Comm 2

VIRUS HELP

VH 44 MASTER VIRUS KILLERS v2.0

VH 93 WARRIORS VIRUS KILLERS

VH218 NEW SUPERKILLERS v2.5

VH235 BOOTX V4.45 WB 1.3/2

VH312 LINK VIRUS DETECTOR

VH409 EXTERMIN 3

VH411 VIRUS 2 v3.07

VH413 ANTICICLOVIR v2 Link virus detector

VH414 VIRUS CHECKER v6.33

VH415 SUPER VIRUS KILL WB 2+

VH416 TRONIC VIRUS KILLERS

VH417 VIRUS 2 II WB 2+

EDUCATION

E6 LEARN & PLAY (2 disks) Early learning

E9 MATHS DRILL

E10 TYPING TUTOR

E11 KIDSPAIN

E13 STORYLAND 2 Save toyland

E14 TC ASTRONOMY Book on a disk

E15 TC DINOSAURS Learn about them

E17 SPELLCHECK Learn foreign words

E18 TRANSLATOR Spanish, French, Italian

E19 COLOUR IT V1.3 For younger kids

E22 COLOUR THE ALPHABET Very good

E24 DTP - FOR KIDS Excellent

E25 ALGEBRA

E26 MATHS WIZARD Let the Wizard help

E27 AMOSAGRAM Playing with words

E28 BLACKBOARD MATHS

E30 MR MEN STORIES All your favourites - 1.3 only

E31 READY ROBOT Full of games

E32 SCIENCE 1.2,3,4 (4 Disks) Physics

E203 MULTIPLOT VOLUME (2 Disks) Data plotting prog

E258 MATHPLOT Linklog plotter

E259 PLOTTER v3.00 2 dim math plots

E311 AMIGA TUTORIAL Beginners will like this

E322 AGRAPH Pie charts & kids

E334 SACC TO SCHOOL KIDS puzzles, very good

E335 FIREWORK ALPHABET Learning aid demo

E336 GRAMMAR Correct your errors

E337 WORLD GEOGRAPHY Very useful

E338 CHEMBALANCE Chemical equations

E339 MATCH WITH HUMPTY

E340 AMIGA WORLD Info on every country on Earth

E341 SINGALONG WORLDWIDE RHYMES

E342 PICTURES & LETTERS

E344 GREAT WOMEN OF OUR TIME

E345 GAS TURBINE ENGINE Anim.

E346 4 STROKE ENGINE Anim.

E347 STEAM ENGINE Anim.

E348 WW II HISTORY BOOK

E349 A VISIT TO THE RED PLANET Mars

E350 EVO Evolution of man

E351 FRACTIONS

E352 GCSE MATHS

E354 COMMUNICATE Sign language

E355 LITTLE TRAVELLER Tourist

E356 ASSASSINS BACK SQUAD (3 disks)

E357 TWO STROKE PLOTTER ENGINE ANIM

E358 JAPANESE Learn the language

E359 KEYBOARD TRAINER v1.1 Typing tutor

E360 IRREGULAR VERBS - Quiz

E361 HOW THE EARTH BEGAN

E362 CHESS TUTOR

E363 ELEMENTS

E364 ANIMAL LAND 1 Ages 4+

E365 FLAGS OF THE WORLD (3 disks)

E366 MATHS ADVENTURE

E367 MATH TALK Sound + Speech - ages 9+

E368 KIDS DISK 1 - Learning

E369 KIDS DISK 2 - Learning

E370 CHILDRENS FAVOURITES Good Fun

E371 THE ATOM (2 disks) All you need

E372 READ & LEARN (2 disks)

E374 WORD FACTORY Spelling

E375 KIDS DISK 3

E376 KIDS DISK 4

E377 OUR SOLAR SYSTEM

E378 PLANETARIUM

E379 KIDS DTP 2

E380 KIDS DTP EXTRAS

THE A64 EMULATOR V3.0

Latest version for all Amigas - run C64 disk drive and software + printers. File transfer - complete package - runs faster than original

Price £54.99

+ £1 p&p UK.

£2.50 Overseas

PC TASK V2.0

Full version allows PC Software on all Amigas. Supports VGA, but SVGA on AGA machines. Requires min. 1 meg RAM + MS DOS V3.3+ Disk

Price £44.99

+ £1 p&p UK.

£2.50 Overseas

HARD DRIVE UTILS

HD102 HARD DISK UTILS Excellent collection

HD223 DELTRAX HD UTILS 1 Filefinder, HDClick

HD395 RE-ORG V2.3 Optimiser

HD397 HD CLICK v2.03

HD398 MR BACKUP v1.148

HD399 BACKUP

HD400 C DISK Optimiser

HD401 HD STACKER Double your space

CD's CD's CD's

FOR CDTV, A570, CD32

CDPD 1.....£19.95

CDPD 2.....£19.95

CDPD 3.....£19.95

17 BIT COLL.....£39.95

17 BIT CONT.....£19.95

PLEASE ADD FOR P&P

UK = £1

OVERSEAS = £2.50

WE STOCK

FRED FISH 1 - 950

PRINTER DRIVERS

PD177 PRINTER DRIVERS (2 Disks) Loads of em!

PD200 PRINTER DRIVER GENERATOR Make your own

PD275 JOY OF PRINTING Drivers + fonts

PD281 PRINT STUDIO 41 drivers - good

PD327 CANON PRINTER DRIVERS

PD328 PRINTER DRIVERS UPDATE 3

PD335 PRINTER DRIVERS Canon BJ10e

PD358 CANON PRINTER DRIVER BJ130 etc

PD407 PRINTER DRIVERS Star/Epson/Pan/HP

PD408 HP550C Printer Driver

PD409 HP PRINTER DRIVERS

PD410 PROF PRINTER DRIVERS

PD411 STAR PRINTER DRIVERS

PD412 CANON STUDIO

PD413 STAR STUDIO

GRAPHICS

GU163 3D FONTS (3 Disks)

GU168 CARTOON BRUSHES

GU219 TV GRAPHICS (2 Disks)

GU226 GRAPHIC UTILS

GU227 REAL 3D FONTS

GU228 REALTIMES (2 Disks) 3D Pics

GU240 KICK PARKS ART

GU245 BOOTPIC V1.2

GU246 CLIP-ART PORTFOLIO (15 disks)

GU251 LARGE FONTS DISK

GU255 SCANNERS CLIP-ART (3 Disks)

GU266 PG CLIP-ART

GU268 EXILE FONTS

GU269 DYNAMITE FONTS

GU270 FONTS & SURFACES

GU272 CLIP-ART COLL (8 Disks)

GU273 CLIP-ART VOL 1 (7 Disks)

GU274 FONTLIB

GU276 SOMETHING FOR NOTHING 1

GU277 SOMETHING FOR NOTHING 2

GU279 DYNAMITE FONTS 2

GU280 HACK FONTS 1 (2 Disks)

GU283 COSMOPOLITAN FONTS 1

GU284 COSMOPOLITAN FONTS 2

GU285 COSMOPOLITAN FONTS 3

GU286 COSMOPOLITAN FONTS 4

GU289 SONIC DEV CONVERTERS PACK

GU290 BEATRICE POTTER CLIP-ART

GU300 GELIGNITE FONTS

GU309 RAY DANCE (2 Disks)

GU310 T.S.P. PICTURE FONTS

GU311 DISK MANAGER + FONTS (Plus only)

GU312 SHADOW MAKER

GU313 MOVIE MAKER

GU314 ANIMATIONS BRIDGE V1.0

GU315 PLOTTING & GRAPHICS

GU316 DUCK ICONS

GU317 ASSASSINS MULTI-VISION V1.0

GU318 THE SNOWMAN CLIP-ART

GU319 PAGESTREAM 2.1 FONTS (3 disks)

GU320 WALT DISNEY CLIP-ART

GU321 MAGNETIC PAGES V1.3

GU322 COMPUTEREYES FONTS PACK 1

GU323 COMPUTEREYES FONTS PACK 2

GU324 COLOURED ICONS

GU325 GRAPHICS RIPPER

GU362 DIRECT ACTION Anim creator

GU363 M.A.K. Mandelbrot adv kit

GU402 FREE PAINT Copy of Paint

GU403 WIEWTEK v1.02 AGA graphics display

GU404 FONTS DISK 1 Large & small

GU405 DIGI FONTS Good variety

GU406 COLOUR FONTS 1 Modern, Old, Pica

GU407 COLOUR FONTS 2 Marble, Rocks, Grids

GU408 COLOUR FONTS 3 Diamond, Eye, Sun

GU409 COLOUR FONTS 4 Digifont brushes

GU410 COLOUR FONTS 5 Cream 8, 16 etc

GU411 COLOUR CLIP-ART Hi/Mod/Low for DTP

GU412 COLOUR CLIP-ART Animals

GU413 CLIP-ART Animals B&W IFF

GU414 CONTACT CLIPART 1 Cartoon, Zodiac

GU415 CONTACT CLIPART 2 Buildings, Xmas

GU416 CONTACT CLIPART 3 Signs, Teddy, Work

GU417 GRAPHICS TOOLS 2

GU418 BAYSIDE (3 Disks)

GU419 PRO PAGE TEMPLATES

GU420 PRO PAGE HELP

GU421 DPAINT TUTOR Learn to use it

GU422 SPECTRA PAINT

GU423 THE DESIGNER Arcade backgrounds

GU424 RJ UTILS Perfect Paint, Image W/Stop

GU425 FONT FARM 3

GU426 FONT FARM 1

GU427 FONT FARM 2

GU428 VIEW 3.2 Anim Player

GU429 HAM LAB PRO v2.06 Picture Converter

GU430 ICONS GALORE

GU431 STILL STORE

GU460 QUICK GRAB AGA

GU462 POST Postscript interpreter

GU463 POST SCRIPT FONTS 1

GU464 POST SCRIPT FONTS 2

GU465 POST SCRIPT FONTS 3

GU466 GELIGNITE FONTS 4

GU467 ULTRAPRINT

GU468 ARTISTIKS Art package

GU469 BLUE ROSE FONTS 1

GU470 BLUE ROSE FONTS 2

SUPERB QUALITY CLIPART

GU326 ART 1 (2 Disks) Weddings

GU327 ART 2 (2 Disks) Houses

GU328 ART 3 (3 Disks) Religious

GU329 ART 4 WWII Aircraft

GU330 ART 5 (2 Disks) Men

GU331 ART 6 (2 Disks) Women

GU332 ART 7 (2 Disks) Kids

GU333 ART 8 Business

GU334 ART 9 Office

GU335 ART 10 Students

GU336 ART 11 Sale

GU337 ART 12 (3 Disks) Christmas

GU338 ART 13 (3 Disks) Punch

GU339 ART 14 Animals

GU340 ART 15 Cats

GU341 ART 16 Silhouettes

GU342 ART 17 (2 Disks) Schools

GU343 ART 18 Babies

GU344 ART 19 (2 Disks) Sport

GU345 ART 20 Olympic

GU346 ART 21 (2 Disks) Medical

GU347 ART 22 Sea Life

GU348 ART 23 Decorative Months

GU349 ART 24 Whacky (Puns)

GU350 ART 25 Holidays

GU351 ART 26 (2 Disks) Old banners

GU352 ART 27 Art Nouveau flowers

GU353 ART 28 Butterflies

GU354 ART 29 (2 Disks) Food & kitchen

GU355 ART 30 Colouring book (D'Nein)

GU356 ART 31 Borders (DTP) (2 Disks)

GU357 ART 32 (2 Disks) MAC clipart

GU358 ART 33 Hobbies (science)

GU359 ART 34 (2 Disks) Teddy Bears

GU360 ART 35 (2 Disks) Vandy Fair (fishes)

GU361 ART 36 Halloween (weird)

GU362 ART 37 Showtime (dancing etc)

GU363 ART 38 Flowers

GU364 ART 39 Floral (detailed)

GU365 ART 40 Mythic & Zodiac

GU366 ART 41 Botanical art

GU367 ART 42 Family scenes (2 Disks)

GU368 ART 43 Golf Hamour (2 Disks)

GU369 ART 44 Space & transport

GU370 ART 45 Soft scene 2 - Rural

GU371 ART 46 Sports 3

GU372 ART 47 Navy

GU439 ART 38 Travel (2 Disks)

GU440 ART 39 Alphabet (2 Disks)

GU441 ART 40 Accents & Pitches - stars etc

GU442 ART 41 Fish & aquatic pics

GU443 ART 42 Software (2 Disks)

GU444 ART 43 Restaurant (3 disks)

GU445 ART 44 Mammals

GU446 ART 45 Avian & bird

GU447 ART 46 Mammal animals

GU448 ART 47 Buried fossils

GU449 ART 48 Beasts & Myth (3 Disks)

GU450 ART 49 Transport (2 Disks)

GU451 ART 50 Trucks & trains

GU452 ART 51 Astrology (2 Disks)

GU453 ART 52 Aircraft (3 Disks)

GU454 ART 53 Birds - songbirds etc

GU455 ART 54 Dogs

GU456 ART 55 Horses, castles & buildings

GU457 ART 56 Sports - Mac

GU458 ART 57 Horticulture (2 Disks)

GU459 ART 58 Military (10 Disks)

GU460 ART 59 Hobbies

GU461 ART 60 Navy

COPIERS

CP234 FLASH COPY Multi-tasking

CP252 FREE COPY V1.8 Removes protection

CP313 NIB V2.0 Removes protection (1.3 only)

CP340 ASI CRUNCH "N" COPY 2 Collection

CP341 COOL COPIER v2.0 Fast & safe

CP348 ASI DISK COPIERS Collection

CP349 LOGIC PC 2 Removes protection

CP350 MAVERICK COPY v3.1

CP352 SAFE II Powerful copier

CP353 MEGA MONITOR Action replay type

CP354 THE DISK UTIL WB2+

CP355 SUPERFORMATTER v1.0d

CP356 SUPERCOPIER v2.02

CP357 BAD FORMAT Run Bad disks

CP358 COPIERS UNLIMITED

CP360 DISKMATE V Good (WB2.04+)

GRAPHICS

GU163 3D FONTS (3 Disks)

GU168 CARTOON BRUSHES

GU219 TV GRAPHICS (2 Disks)

GU226 GRAPHIC UTILS

GU227 REAL 3D FONTS

GU228 REALTIMES (2 Disks) 3D Pics

GU240 KICK PARKS ART

GU245 BOOTPIC V1.2

GU246 CLIP-ART PORTFOLIO (15 disks)

GU251 LARGE FONTS DISK

GU255 SCANNERS CLIP-ART (3 Disks)

GU266 PG CLIP-ART

GU268 EXILE FONTS

GU269 DYNAMITE FONTS

GU270 FONTS & SURFACES

GU272 CLIP-ART COLL (8 Disks)

GU273 CLIP-ART VOL 1 (7 Disks)

GU274 FONTLIB

GU276 SOMETHING FOR NOTHING 1

GU277 SOMETHING FOR NOTHING 2

GU279 DYNAMITE FONTS 2

GU280 HACK FONTS 1 (2 Disks)

GU283 COSMOPOLITAN FONTS 1

GU284 COSMOPOLITAN FONTS 2

GU285 COSMOPOLITAN FONTS 3

GU286 COSMOPOLITAN FONTS 4

GU289 SONIC DEV CONVERTERS PACK

GU290 BEATRICE POTTER CLIP-ART

GU300 GELIGNITE FONTS

GU309 RAY DANCE (2 Disks)

GU310 T.S.P. PICTURE FONTS

GU311 DISK MANAGER + FONTS (Plus only)

GU312 SHADOW MAKER

GU313 MOVIE MAKER

GU314 ANIMATIONS BRIDGE V1.0

GU315 PLOTTING & GRAPHICS

GU316 DUCK ICONS

GU317 ASSASSINS MULTI-VISION V1.0

GU318 THE SNOWMAN CLIP-ART

GU319 PAGESTREAM 2.1 FONTS (3 disks)

GU320 WALT DISNEY CLIP-ART

GU321 MAGNETIC PAGES V1.3

GU322 COMPUTEREYES FONTS PACK 1

GU323 COMPUTEREYES FONTS PACK 2

GU324 COLOURED ICONS

GU325 GRAPHICS RIPPER

GU362 DIRECT ACTION Anim creator

GU363 M.A.K. Mandelbrot adv kit

GU402 FREE PAINT Copy of Paint

GU403 WIEWTEK v1.02 AGA graphics display

GU404 FONTS DISK 1 Large & small

GU405 DIGI FONTS Good variety

GU406 COLOUR FONTS 1 Modern, Old, Pica

GU407 COLOUR FONTS 2 Marble, Rocks, Grids

GU408 COLOUR FONTS 3 Diamond, Eye, Sun

GU409 COLOUR FONTS 4 Digifont brushes

GU410 COLOUR FONTS 5 Cream 8, 16 etc

GU411 COLOUR CLIP-ART Hi/Mod/Low for DTP

GU412 COLOUR CLIP-ART Animals

GU413 CLIP-ART Animals B&W IFF

GU414 CONTACT CLIPART 1 Cartoon, Zodiac

GU415 CONTACT CLIPART 2 Buildings, Xmas

GU416 CONTACT CLIPART 3 Signs, Teddy, Work

GU417 GRAPHICS TOOLS 2

GU418 BAYSIDE (3 Disks)

GU419 PRO PAGE TEMPLATES

GU420 PRO PAGE HELP

GU421 DPAINT TUTOR Learn to use it

GU422 SPECTRA PAINT

GU423 THE DESIGNER Arcade backgrounds

GU424 RJ UTILS Perfect Paint, Image W/Stop

GU425 FONT FARM 3

GU426 FONT FARM 1

GU427 FONT FARM 2

GU428 VIEW 3.2 Anim Player

GU429 HAM LAB PRO v2.06 Picture Converter

GU430 ICONS GALORE

GU431 STILL STORE

GU460 QUICK GRAB AGA

GU462 POST Postscript interpreter

GU463 POST SCRIPT FONTS 1

GU464 POST SCRIPT FONTS 2

GU465 POST SCRIPT FONTS 3

GU466 GELIGNITE FONTS 4

GU467 ULTRAPRINT

GU468 ARTISTIKS Art package

GU469 BLUE ROSE FONTS 1

GU470 BLUE ROSE FONTS 2

SUPERB QUALITY CLIPART

GU326 ART 1 (2 Disks) Weddings

GU327 ART 2 (2 Disks) Houses

GU328 ART 3 (3 Disks) Religious

GU329 ART 4 WWII Aircraft

GU330 ART 5 (2 Disks) Men

GU331 ART 6 (2 Disks) Women

GU332 ART 7 (2 Disks) Kids

GU333 ART 8 Business

GU334 ART 9 Office

GU335 ART 10 Students

GU336 ART 11 Sale

GU337 ART 12 (3 Disks) Christmas

GU338 ART 13 (3 Disks) Punch

GU339 ART 14 Animals

GU340 ART 15 Cats

GU341 ART 16 Silhouettes

GU342 ART 17 (2 Disks) Schools

GU343 ART 18 Babies

GU344 ART 19 (2 Disks) Sport

GU345 ART 20 Olympic

GU346 ART 21 (2 Disks) Medical

GU347 ART 22 Sea Life

GU348 ART 23 Decorative Months

GU349 ART 24 Whacky (Puns)

GU350 ART 25 Holidays

GU351 ART 26 (2 Disks) Old banners

GU352 ART 27 Art Nouveau flowers

GU353 ART 28 Butterflies

GU354 ART 29 (2 Disks) Food & kitchen

GU355 ART 30 Colouring book (D'Nein)

GU356 ART 31 Borders (DTP) (2 Disks)

GU357 ART 32 (2 Disks) MAC clipart

GU358 ART 33 Hobbies (science)

GU359 ART 34 (2 Disks) Teddy Bears

GU360 ART 35 (2 Disks) Vandy Fair (fishes)

GU361 ART 36 Halloween (weird)

GU362 ART 37 Showtime (dancing etc)

GU363 ART 38 Flowers

GU364 ART 39 Floral (detailed)

GU365 ART 40 Mythic & Zodiac

GU366 ART 41 Botanical art

GU367 ART 42 Family scenes (2 Disks)

GU368 ART 43 Golf Hamour (2 Disks)

GU369 ART 44 Space & transport

GU370 ART 45 Soft scene 2 - Rural

GU371 ART 46 Sports 3

GU372 ART 47 Navy

GU439 ART 38 Travel (2 Disks)

GU440 ART 39 Alphabet (2 Disks)

GU441 ART 40 Accents & Pitches - stars etc

GU442 ART 41 Fish & aquatic pics

GU443 ART 42 Software (2 Disks)

GU444 ART 43 Restaurant (3 disks)

GU445 ART 44 Mammals

GU446 ART 45 Avian & bird

GU447 ART 46 Mammal animals

GU448 ART 47 Buried fossils

GU449 ART 48 Beasts & Myth (3 Disks)

GU450 ART 49 Transport (2 Disks)

GU451 ART 50 Trucks & trains

GU452 ART 51 Astrology (2 Disks)

GU453 ART 52 Aircraft (3 Disks)

GU454 ART 53 Birds - songbirds etc

GU455 ART 54 Dogs

GU456 ART 55 Horses, castles & buildings

GU457 ART 56 Sports - Mac

GU458 ART 57 Horticulture (2 Disks)

GU459 ART 58 Military (10 Disks)

GU460 ART 59 Hobbies

GU461 ART 60 Navy

COPIERS

CP234 FLASH COPY Multi-tasking

CP252 FREE COPY V1.8 Removes protection

CP313 NIB V2.0 Removes protection (1.3 only)

CP340 ASI CRUNCH "N" COPY 2 Collection

CP341 COOL COPIER v2.0 Fast & safe

CP348 ASI DISK COPIERS Collection

CP349 LOGIC PC 2 Removes protection

CP350 MAVERICK COPY v3.1

CP352 SAFE II Powerful copier

CP353 MEGA MONITOR Action replay type

CP354 THE DISK UTIL WB2+

CP355 SUPERFORMATTER v1.0d

CP356 SUPERCOPIER v2.02

CP357 BAD FORMAT Run Bad disks

CP358 COPIERS UNLIMITED

CP360 DISKMATE V Good (WB2.04+)

GRAPHICS

GU163 3D FONTS (3 Disks)

GU168 CARTOON BRUSHES

GU219 TV GRAPHICS (2 Disks)

GU226 GRAPHIC UTILS

GU227 REAL 3D FONTS

GU228 REALTIMES (2 Disks) 3D Pics

GU240 KICK PARKS ART

GU245 BOOTPIC V1.2

GU246 CLIP-ART PORTFOLIO (15 disks)

GU251 LARGE FONTS DISK

GU255 SCANNERS CLIP-ART (3 Disks)

GU266 PG CLIP-ART

GU268 EXILE FONTS

GU269 DYNAMITE FONTS

GU270 FONTS & SURFACES

GU272 CLIP-ART COLL (8 Disks)

GU273 CLIP-ART VOL 1 (7 Disks)

GU274 FONTLIB

GU276 SOMETHING FOR NOTHING 1

GU277 SOMETHING FOR NOTHING 2

GU279 DYNAMITE FONTS 2

GU280 HACK FONTS 1 (2 Disks)

GU283 COSMOPOLITAN FONTS 1

GU284 COSMOPOLITAN FONTS 2

GU285 COSMOPOLITAN FONTS 3

GU286 COSMOPOLITAN FONTS 4

GU289 SONIC DEV CONVERTERS PACK

GU290 BEATRICE POTTER CLIP-ART

GU300 GELIGNITE FONTS

GU309 RAY DANCE (2 Disks)

GU310 T.S.P. PICTURE FONTS

GU311 DISK MANAGER + FONTS (Plus only)

GU312 SHADOW MAKER

GU313 MOVIE MAKER

GU314 ANIMATIONS BRIDGE V1.0

GAMES

- 64 MEGABALL Breakout - very addictive
65 STAR TREK I (2 disks) Space (Not A1200)
613 CASTLE OF DOOM Adventure
614 HOLY GRAIL Text only adventure
615 GOLDEN FLEECE Text only adventure
622 CARD GAMES Harp, Pool, Queens etc
623 SUPER TWINTS Shape dropping excellent
625 GAMES DISK 7 Backgammon etc
633 WIZARDS QUEST * Arcade puzzle, good graphics
634 RETURN TO EARTH Elite type
635 LLAMATRON 512K & 1Mb Shoot 'em up
636 BUG BASH Shoot 'em up
641 ESCAPE FROM JOVI Space Arcade
643 DOWNHILL CHALLENGE Tactics, ski to win
644 BATTLEFORCE Fantasy roll playing game
645 DRAGON CAVE Dungeon Master type
646 MECHFIGHT RPG Roll playing game
652 GREYSLAYER Arcade adventure
653 SCUM EATERS Shoot 'em up
654 STAR TREK 2 (3 disks) Not 1200
655 POM POM GUNNER * Arcade shoot 'em up
656 FRUIT MACHINE * Excellent
657 MECHFORCE (2 Disks) RPG
658 SEA LANCE * Submarine Simulation
659 KLONDIKE Cards
662 AIR ACE II World War 2 S.E.U.
665 MERV THE MERCLESS Platform
667 TREASURE HUNT (6-8 yrs)
668 CHEAT LIST GAMES V1.0
669 WHACKO JNR IN WONDERLAND Good for kids
670 PARACHUTE JOUST Good graphics
671 CRYSTAL CAVERNS Arcade adv.
672 TREX-73 Space text adv.
673 ZEUS - THE GAME Puzzle tiles
674 DUNGEON DELIVER (2 Disks) Mazes
675 PICK UP A PUZZLE * (2 Disks) Jigsaws
676 CHAINSAW DEATH * Futuristic maze type
677 CAN YOU PICTURE IT * (2 Disks) Jigsaws
678 CROSSFIRE * Excellent for kids
679 BALLOONACY * Bomb the skyscrapers
681 DEMOLITION MISSION * Bomber
682 BLACKJACK Card game
684 PETER'S QUEST Arcade - Rescue the Maiden
686 AMIGANIAN GAMES 10 games
690 SHAPES Very easy for kids
691 GO LOOLY S.E.U. Good graphics
692 STAR TREK THE NEXT GENERATION (Not A1200)
693 BLOCKIT Good graphics - Ace
694 HACK Text adv.
695 DRAGON TILES Great tiles game
696 BOARD GAMES
697 ATIK ATAK C64 game
699 BART SIMPSON Scrolling S.E.U.
7124 PIPE RIDER Space Invader S.E.U.
7125 RAMIFY Pairing
7126 RUSH HOUR Frogger - Get across the road
7127 TOMTEPELT Speed ball type
7129 WET BEAVER Games Pong
7130 WIZARD WORLD S.E.U. Platform
7131 WORLD OF FOOLS Shoot 'em up
7133 CARD SHARP 5 card games
7134 TOTAL WAR Risk type
7135 AIRMANIA Platform
7136 SKYFLYER WWII S.E.U.
7137 PUGGLES D'bert brill
7138 SQUATS REVENGE Wolf clone
7139 PAIR IT Shapes
7140 GAMES COMPILATION 16 games
7141 ATLANTIS I Strategy
7142 NAPOLEON WAR SIMULATION Strategy
7143 MISSION RAID PART II S.E.U.
7144 SNAKES & LADDERS Good
7145 GAMES GALORE VOL 2 3 games
7146 AIR WARRIOR Flight simulation
7151 E-TYPE Arcade S.E.U.
7152 DUNGEONS OF NADROJ Hacktype
7153 QUICK & SILVER Platform. Excellent
7154 MASTER OF THE TOWN Shoot the sign posts
7156 ETHOS Text adv + pics
7157 BATTLE CARS 30 cars S.E.U.
7158 CHALLENGER Quiz - 5 player
7162 CATACOMB Graphic adv - very well done
7183 KINGDOM AT WAR War games
7184 SMASH TV RIPOFF S.E.U. Futuristic
7185 DODDY Mario type game
7186 PICK OUT PART II. V. good
7187 NU-SHOOT 'EM UP Space
7189 STRIKE BALL Baseball. Brill!
7190 PARAGON Marble Slide
7192 CRAZY SUE Platform. 1st rate
7193 HENRY IN PANIC Mario Miner type
7194 CONCENTRATION V3.3 Pair it type
7195 DESTINATION MOONBASE Thrust
7196 ESCAPE FROM JOVI III Chase
7197 NO MANS LAND War S.E.U.
7198 DOMINOS V. Good
7199 RAPHAELS REVENGE Turtle S.E.U.
7203 MIDNIGHT THIEF GAME Adv
7291 LAMER GAME Wolfy shoot the beasts
7294 GRUB GRABBER II Help Elvir! Avoid gremlin
7295 SWORD OF WORLOCK 3 disk Adv.
7296 A NIGHT AT THE TOP Terrorist adv.
7298 QUADRIX Puzzle. Excellent
7299 YUM YUM * Pacman
7300 REVENGE MUTANT CAMELS S.E.U.
7301 BATTLEMENTS Hunchback platform
7302 LEMMINGOIDS Blast them!
7303 KARATE WORM Platform-cute
7304 SNAKE IN THE GRASS Platform - neat
7305 WIZARDS DOMAIN Graphic adv.
7306 PIXIE KINGDOM (2 disks)
7307 ARCADIA Breakout - very popular
7308 PORK & PORK Stop the fowls
7309 MR BRICK - Mario type
7322 RAID III S.E.U. - wicked
7327 SERENE III
7328 WOTSITSNAME Quiz
7329 TETREN - tetris
7330 NUMPTY & THE ALIEN INVADERS
7332 LOTHIAN Graphic adv.
7333 OMEGA RACE S.E.U. Great
7334 MENTAL IMAGES DISK 2 3 games
7362 MR & MRS Young platform - very good
7363 TANK Great 98%
7364 DEFENDA Arcade 95% Brilliant conversion
7365 GRAND PRIX SIMULATOR Mega
7366 NUMBER FUMBLER Number puzzle
7367 LEMMINGOIDS Blast away
7368 GROWTH
7370 PROJECT 1
7371 LAZER ZONE
7372 LEMMINGOIDS PACK
7373 THE MAZE GAME
7375 APIDYA
7376 SHOOT OUT
7377 SUPER SKODA CHALLENGE
7378 COMPUTER CONFLICT 2
7379 ANTEP & SLOT CARS Game RPG
7380 TRICKY & THE TURN GAME
7383 CARD GAMES 2
7385 MIND GAMES 21
7386 HYPER TEXT CHEATS
7387 TECHNOBAN Puzzle game
7389 THE BEAST Mission to kill
7390 NADLOT RUN Cat & dog chase
7391 OUCH Cllobber those moles
7392 INVADERS MARK II Space Invaders
7371 ERIC THE WARRIOR Spin to Gauntlet
7293 CHAOS STRIKES BACK Maps etc.
7294 GAME TAMER v4.59 Latest
7300 AMOS CRICKET Good cricket game
7303 ARANX 40 levels
7304 HELL ZONE Elite
7305 FATAL MISSION Good shoot 'em up
7306 GHOSTSHIP
7307 CROSSMAZE/CRYPTO KING Worlds
7308 INTERLOCK (AMOS) 25 levels
7309 TANK ATTACK & MOUTHMAN
7311 THRALLBOUND Viking Adv Text
7312 BOUNCE AND BLAST Platform
7313 SOCCER CARDS Run the club
7314 CYBERNETIX Fast action
7316 STAR MIX 2 3 games
7316 FLAG CATCHER Squires puzz
7317 OMEGA Adv Mario type
7318 TOP SECRET Excellent graphics platform
7319 MADONNA Jigsaw
7320 ROBOPOL GOES TO IRAQ sev
7321 BACK TO THE FUTURE III Funny
7322 45 CHEATS Codes etc.
7323 TOMCAT F15 shoot 'em up
7324 SUPER QUIZ
7325 POWER PONG Being
7326 MAJONG Tiles
7327 NESTER Cards
7328 STARFLEET Shoot 'em up
7329 EXCALIBUR Shoot 'em up
7330 IMPERIUM ROMANUM Battle
7331 SQUAMBLE Very Spacey!!
7332 JETMAN Good shoot 'em up
7333 MECHFORCE v.3.71 Latest update
7334 PROPERTY MARKET Game Strategy
7335 ROLL ON & LAMER Pushing
7336 HAXLITE v1.0 Worm & Hack
7338 DIE FILTH (2 disks) Brill like Saur
7339 ULTIMATE HINT KIT v1.0
7340 THE AGE CHEATS DISK 2 Lots
7341 BATTLE OF BRITAIN Strategy
7342 THE SECRET OF MONKEY ISLAND (Demo)
7343 CARD GAMES II Creating games
7345 QUIZMASTER v1.0 Test your knowledge
7346 NEBULA Shoot-em-up fast action!
7347 ESCAPE INTO SPACE!
7348 RUMMY Excellent card game
7349 SPACE RESCUE Super shoot 'em up
7350 INVADERS MARK II Space Invaders
7371 ERIC THE WARRIOR Spin to Gauntlet
7372 KLAKTRIS Tris type game
7373 CLU-TRIS Latest TRIS
7374 DELUXE PACMAN
7375 GALAGA 92 Shoot-em-up
7376 LIBERATOR GAME Shoot-em-up
7377 CRACK-ACK
7378 CRAZY SUE 2 Latest platform
7380 LAST REFUGE Invaders
7381 ZINGER GAME Karate game
7385 MORIA v5.4 Latest
7386 FRUIT MACHINE II AMOS good
7387 OBLIVION Defenda clone
7388 BOMB JACKY Platform
7390 OTHELLO Board game classic
7391 SOLITAIRE SAMPLER Cards
7392 WILLY IN THE CASTLE Excellent platform
7393 FRUIT SALAD Platform. Reviewed in Format
7394 MARIO IN WONDERLAND Brill clone - Mega!
7396 GIDDY Great new platform game
7398 ATOMS Ward!
7399 VECTA STORM Brill new Tempest clone
7400 DIGITAL TETRIS
7402 TETRIS PRO
7403 SUPER PACMAN 92
7404 BRIDGE
7405 18th HOLE GOLF (2 disks)
7406 SLIDE SQUARES Puzzle
7407 THEY CAME FROM OUTER SPACE Shoot 'em up
7408 SON OF BLAGGER Excellent platform
7409 BRAINBOW Addictive puzzle
7410 MYSTERY 2144 AD Futuristic Murder adv.
7411 GUSH Fab pipeline clone
7412 MEXICAN MASSACRE Arcade action
7413 100 MEGA GAMES (7 disks)
7414 BOX Adventure game
7415 SLAMBALL Future Management sim.
7416 MAYHEM Multi player manic maze
7417 MUGGIE Money making gangster adventure.
7418 ROULETTE + PUNTO 2 Good game (not 1.3)
7419 BLITZ GAMES Worm, buzbar, speed etc.
7420 SKID MARKS Amazing driving game.
7421 ZOMBIE, APPCOLIPS AND DEFENDER 2 Brill!
7422 BILLY BURGLAR Just try to escape.
7423 OLYMPIAD (Lemmings) (2 disks)
7424 CAVE FLIGHT Dodge the obstacles.
7425 SERIOUS BACKGAMMON Demo
7426 AIRPORT
7427 EXIT-13 Puzzle
7429 BOW & ARROW
7430 BLIND RUNNER
7431 POPPERE Dams
7432 CASTLE MORRIS
7433 THE NIGHT WOLF Lemmings
7434 PATIENCE Cards
7435 PREMIERE PICKS Football
7436 BOB W FLIP
7437 ROAD TO HELL, Saving hell
7438 FIGHTING WARRIORS Street Fighter 2 clone
7439 LEMMINGS 2.45. mod
7440 NAPOLEON WARRIOR (2 Disks) Strategy
7441 TIGER CHANGING MASSACRE
7442 SCORABLE
7443 THROTTLE DUEL, Drively control
7444 EXORCISM (2 Disks) Adv. & graphics
7445 CONQUEST & DOMINATION Strategy-war game
7446 DORNEY KING Platform
7447 OPERATION WITNESS II Graphics
7448 MR NEW SYMPHONY (2 Disks)
7449 BUTTAKE (2 Disks) Adventure
7450 ESCAPE FROM DOWNSIDE type
7451 HELL OCTANE Overhead shoot 'em up
7452 FATAL MISSION 2 Shoot 'em up
7453 KING FU CHARLIE Platform beat 'em up
7454 GAMES GALORE Vol 2
7455 MENTAL INVADERS Not 2
7456 IRON CLADS (2 disks) New battle Not 1200
7461 INTREPID Rescue Dams from Evil
7462 QUIZ MASTER
7463 QUIZ CHALLENGE
7464 EYE OF BEHOLDER II Cheats
7465 CHEATS Many solutions
7466 PASSWORD PARADISE
7467 MEGACHEATS v1.0
7468 ELEVATION 2 Platform
7469 SCORCHED TRENCH Battle
7470 AMOS LOADSAMONEY Fruit machine
7471 STAR TREKING TRIVIA (2 disks)
7472 SUPER TOMCAT Shoot 'em up
7473 LCD DREAMS Hand held games
7474 SEAHORSE GAMES CHEATS
7475 NOSTROMO CHEATS & SOLVES
7476 ORC ATTACK
7477 TANK HUNTER
7478 RAID 4
7479 MEGABALL 2
7480 MEGABALL 3

BOULDERDASH

- Most titles now work on
A500/A500+/A600/A1200/A4000
- BD 1 - FLASCHBIER I
BD 2 - FLASCHBIER II 1.3 only
BD 3 - BOULDERDASH COLLECTION I
BD 4 - BOULDERDASH COLLECTION II
BD 5 - BOULDERDASH COLLECTION III
BD 6 - EMERALD MINE BOULDERDASH
BD 7 - EMERALD MINE BOULDERDASH
BD 8 - EMERALD MINE TOOL ED v4 (2 disks)
BD 9 - EMERALD MINE CAVE EDITOR
BD 10 - EMERALD PRO
BD 11 - EMERALD PRO 3
BD 12 - EMERALD PRO 4
BD 13 - EMERALD PRO 4 EXTRA
BD 14 - LAZERS EMERALD MINE 2
BD 15 - EMERALD MINE TUTORIAL - 2nd Pt
BD 16 - EMERALD MINE 2 1.3 only
BD 17 - EMERALD MINE 3
BD 18 - EMERALD MINE 4
BD 19 - EMERALD MINE 10
BD 20 - EMERALD MINE 11
BD 21 - EMERALD MINE 12
BD 22 - EMERALD MINE 13
BD 23 - EMERALD MINE 14
BD 24 - EMERALD MINE 15
BD 25 - EMERALD MINE 16
BD 26 - EMERALD RUNNER MINE 1
BD 27 - EMERALD RUNNER MINE 2
BD 28 - EMERALD EATER
BD 29 - THE NEW EMERALD MINE 1.3 only
BD 30 - RECYCLED EMERALD MINE 1
BD 31 - RECYCLED EMERALD MINE 2
BD 32 - EMERALD DINK
BD 33 - DANMARK II
BD 34 - MARATHON MINE 1
BD 35 - MARATHON MINE 2
BD 36 - MARATHON MINE 3
BD 37 - MARATHON MINE 4
BD 38 - BOND MINE
BD 39 - BOND MINE 6
BD 40 - RUPPLE MINE
BD 41 - EASY RUPPLE MINE
BD 42 - RUPPLE MINE EDITOR
BD 43 - WATER MINE
BD 44 - ADVENTURES OF MR B - Part 2
BD 45 - EAT MINE 1
BD 46 - EAT MINE 2
BD 47 - EAT MINE 3
BD 48 - FAT MINE 1
BD 49 - NO ONE MINE 1
BD 50 - NO ONE MINE 2
BD 51 - NO ONE MINE 3
BD 52 - NO ONE MINE 5
BD 53 - NO ONE MINE 6
BD 54 - NO ONE MINE 7
BD 55 - NO ONE MINE 8
BD 56 - NO ONE MINE 9
BD 57 - NO ONE MINE 10
BD 58 - SPID MINE 3
BD 59 - ENEMY MINE 1.3 only
BD 60 - BOBBYDASH
BD 61 - DENMARK I
BD 62 - LADYBIRD MINE - KIDS
BD 63 - INTO THE FUTURE FIELDS
BD 64 - INTO THE FRUSTRY FIELDS
BD 65 - INTO THE COLD CAVES
BD 66 - LABAN MINE
BD 67 - FUN MINE 1.3 only
BD 68 - ACZ MINE
BD 69 - SUPER AMOASH
BD 70 - ROCKNUTS 1.3 only
BD 71 - BOULDERDASH C64
BD 72 - PROFESSIONAL BOULDERDASH 1
BD 73 - PROFESSIONAL BOULDERDASH 2
BD 74 - FIRST CLASS BOULDERDASH 1.3 only
BD 75 - BOULDERDASH CONSTRUCTION KIT 1.3 only
BD 76 - OFFICIAL BOULDERDASH
BD 77 - MEGA BOULDERDASH 1.3 only
BD 78 - STONEAGE
BD 79A - STONEAGE (PLUS COMPATIBLE)
BD 80 - LITTLE BOULDER
BD 81 - BOULDER GROVE + EDITOR
BD 82 - CAVE RUNNER
BD 83 - DENMARK 5
BD 84 - DENMARK 6
BD 85 - DENMARK 7
BD 86 - DENMARK 8
BD 87 - DENMARK 9
BD 88 - EMERALD EATER 1
BD 89 - EMERALD EATER 2 1.3 only
BD 90 - EMERALD MINE
BD 91 - EMERALD MINE 5
BD 92 - EMERALD MINE 6
BD 93 - EMERALD MINE 8
BD 94 - EMERALD MINE 11
BD 95 - EMERALD MINE 16
BD 96 - EMERALD MINE 17
BD 97 - NO ONE MINE 4
BD 98 - NO ONE MINE 12
BD 99 - NO ONE MINE 13
BD 100 - NO ONE MINE 14
BD 101 - NO ONE MINE 15
BD 102 - NO ONE MINE 16
BD 103 - SUPER EMERALD MINE LAZER
BD 104 - ADVENTURE OF MR B - Part 1
BD 105 - RUNNER MINE 3
BD 106 - RUNNER MINE 4
BD 107 - BOND MINE
BD 108 - BOND MINE 3
BD 109 - BOND MINE 4
BD 110 - BOND MINE 5
BD 111 - BOND MINE 7.5
BD 112 - BOND MINE 8
BD 113 - BOND MINE 9
BD 114 - BOND MINE 11
BD 115 - RABOULDX
BD 116 - RUPPLE MINE 5
BD 117 - RUPPLE MINE 6
BD 118 - RUPPLE MINE 2
BD 119 - RUPPLE MINE 4
BD 120 - BLUE DIAMONDS 4
BD 121 - INTO THE FRUSTRY MINE
BD 122 - SNELMINE 1
BD 123 - OZ MINE 1
BD 124 - OZ MINE 2
BD 125 - OZ MINE 3
BD 126 - BOND MINE 10
BD 127 - DANMARK 2
BD 128 - EXPERT MINE 1
BD 129 - EXPERT MINE 2
BD 130 - ROCKNUTS 2 1.3 only
BD 131 - EMERALD CRUNCHER
BD 132 - EMERALD CRUNCHER 1
BD 133 - JUNIOR ICE MINE 2
BD 134 - RECYCLED MINE III
BD 135 - EMERALD FREAK
BD 136 - FREAK MINE 1
BD 137 - FREAK MINE 2
BD 138 - EXCEPTION 1
BD 139 - JUNIOR 1
BD 140 - DIAMOND MINE
BD 141 - EMERALD FREAK II
BD 142 - RUNNER MINE 5
BD 143 - BUGMINE 1
BD 144 - BUGMINE 2
BD 145 - BUGMINE 3
BD 146 - VENOM
BD 147 - VENOM 2
BD 148 - INTO THE HISTORY HOLES
BD 149 - NORTHLIGHT MINE 1
BD 150 - EMERALD MINE TUTORIAL
BD 151 - EMERALD MINE FINAL 1.3 only
BD 152 - EMERALD MINE FINAL 1.3 only
BD 153 - NEW EMERALD MINE 1.3 only

DEMOS

- D110 BUBRAIN MEGADemo 3
D143 END OF THE CENTURY 1999 No Brain No Pain
M155 PINK FLOYD - THE WALL (6 disks, 2 drives, 1.3 only)
M183 SANITY - YESTERDAY Bill!
D201 CRONICS MEGADemo
D207 KEFRENS MEGA DEMO VII (2 disks)
D204 UTOPIA TOTAL CONFUSION
D205 ANARCHY-SEEING IS BELIEVING
D207 CRONICS HARDWIRED (2 disks)
D306 RAZOR 1911 VOYAGE
D310 WACKO METAPHORPH ANIM *
D311 ROBOPOL/SHUNING MAN ANIM *
D312 KEFRENS DESERT DREAM 1993 (2 disks)
D313 JESUS ON E'S (2 disks) 20 mins WOW!
D317 TECHNOLOGICAL DEATH Like space balls Mega!
D318 SPACE BALLS Bill!
D319 TEKNO-A-TAK MEGA RAVE
D321 TROJAN TEKNO TRACKS
D322 DANCE TRASH (2 disks) Rave
D324 SILENTS DEMON DOWNLOAD (2 disks)
D326 THE GATHERING 93 Stunning pic!
D328 CYCLIC ART
D330 SILENTS EXPOSE (2 disks)
D331 POSEIDON CEREAL LOBOTOMY (not 1.3)
D332 BATTLE OF BRITAIN Anim
D333 STONEARATS ATMOSPHERE Great!
D334 KEFRENS DANE Short & Sweet!
D336 SPACEBALLS MOBILE
D342 MAYDAY RESISTANCE Rave & Strokes
D343 ANDROMEDA (2 disks)
D344 VANISH WORLD OF COMMODORE
D345 SANITY WORLD OF COMMODORE
D346 TRIP TO DEEP SPACE (2 disks) Mega Rave
D347 LEMON RINK A DINK (not 1200) Classy
D348 ALCHEMY RAGE Great (2 disks)
D349 ELENUM DEVIOUS MUSIC (2 disks) 1.3 only
D350 TRS I One year on
D351 PSYCO ALIEN ENCOUNTER
D352 MIND RIOT ANDROMEDA
D353 PENDLE EUROPA KIDS THEORY Techno
D354 THUNDERBIRDS ARE GONE Anim (2 disks)
D355 AKIRA AND X-MEN SLIDES

CLR LICENCEWARE

WE STOCK THE FULL RANGE OF CLR -
PLEASE SEND FOR DETAILS OR ORDER
WITH APPROPRIATE NUMBER

PRICES
1 Disk Program = £3.50
2 Disk Program = £4.50
3 Disk Program = £5.50

ASSASSINS

- Most now work on A500/A500+/A600/A1200
- ASI 1 Tanix, Rollerpede, Avantis Amigos etc!
ASI 2 Invaders, Bally 2, Missile Command etc!
ASI 3 Megaball & Drip Super Gamepack!
ASI 4 Frogger Go Moku, Cracker Jumpy etc!
ASI 5 Road, Go Looky & Retaliator
ASI 6 Pacman Downhill Challenge, Welltris etc!
ASI 7 Moonbase, Tris, Nightworks Claudrunner!
ASI 8 Airace 2, Hoak, Snakepit & Numberfumbler!
ASI 9 Features Battle Pong & Blizard!
ASI 10 Escape, Pipeline, Pickout & Sys!
ASI 11 Dad, Connex, Reversi Towers & Tripping
ASI 12 Jammitron, Car, Powerpong, X21, Fob!
ASI 13 Twintrix, Squamble, Block It, Ball etc!
ASI 14 China Challenge 2 & Amiga Columns!
ASI 15 Battlecars Letrix & Mambamove!
ASI 16 Wastelands, Mission X, Dellema, Pacman
ASI 17 Tomcat, Defenda, Jetman, Bugblaster
ASI 18 Henry in Panic, Skyflyer, Omega Racer!
ASI 19 Growth, Frantz, Freddy, Bjeleane & Morel + NOT 600
ASI 20 Microbes Hollywood, Trivia Con Drop
ASI 21 Zeus, Tetrix, Battlements & Dragonflies
ASI 22 Lemmingoids, Wizzys Quest, Dual Mouthman
ASI 23 Quick Money, BIP, Interferon, Arcadia
ASI 24 Revenge of Camels, Oux Croak, Idmaize etc!
ASI 25 Mr Brick, Copper, Hemeroids, E. Lynn
ASI 26 Superpacman 92 Smashit, Ashido System 4 etc!
ASI 27 Addictive Card Games, Really good!
ASI 28 Goody, DrMiano, Invaders 2, Magbomber 2
ASI 29 OGS, Rome, Nova, B-Bal, Ajax, Quadrix
ASI 30 Bounce & Blast, Total Fire Tank Attack!
ASI 31 Aramaz, Crazy Pipe, Revolution etc!
ASI 32 Biob, Sector One & Firefighter!
ASI 33 Hyperball & War! 2 Good Games
ASI 34 Trailblazer, Yelo, Olex Rushour!
ASI 35 Pocket, Snakepit, Cybernetix, Jump n Roll!
ASI 36 Mother lode, Windstrand, Kong Tactix!
ASI 37 Klaktris, Ghostship, Paccer etc!
ASI 38 One on One, Bally, Skydiver 2, Transplant!
ASI 39 Lots of Card games on this disk!
ASI 40 Disk full of sliding puzzle games!
ASI 41 Pacman deluxe, Helixzone, Leap II etc.
ASI 42 Galaga, Intruder Alert Dogs in Space!
ASI 43 Interlock, Roulette, Octopus etc!
ASI 44 Nibbler, Mouse Impossible, Roll on etc.
ASI 45 Dtris, Paccheste, 8-Castle Tesserac etc.
ASI 46 Amiga Q, City, Checkers, Duch etc!
ASI 47 Elevation, Fumyure, Crave, Arena!
ASI 48 Point to Point, Psycho Santa etc!
ASI 49 Deathbringer in Space Sue 1.2 etc!
ASI 50 Euphoric, Roach Motel, Bolders Grove!
ASI 51 Lammers, Fighting Warrior Shapes!
ASI 52 Rockslide, Mouthman, & Nul
ASI 53 Venus Invaders, Mastermind etc!
ASI 54 Serene, Serene II, & Car Wars!
ASI 55 Cl-iris, Pacatze & Asteroids!
ASI 56 Stormsage, Extreme Violence & Tiles!
ASI 57 Poo-poo Dominos, Dizzy Diamonds, Squirm
ASI 58 Super Raid & Magnatron & Maiesae!
ASI 59 Turbo Thrust GX200 & Leadings!
ASI 60 Pipe Master 2, Alien Hunter & Checkers!
ASI 61 Rattlesnake Running, Chaser, Scud Blaster
ASI 62 Pipeline 2, Maceman & Up and Down!
ASI 63 Nautilus Frenzy & Drive III!
ASI 64 Oblivion (tab!), Breakout con kit etc!
ASI 65 Paranoids Chess Word Puzzle Word Search
ASI 66 Cow Wars Asmarmind & Asokoban!
ASI 67 Sage of the Beast, E. Type II & Vektor!
ASI 68 Denolition, Mission, Boulder & Abone!
ASI 69 Klondike, Celestial Apoker Bridge etc!
ASI 70 Digital Tetris, Wangle & Tetris pro!
ASI 71 Numerix, Battleships & Vs Tanks!
ASI 72 Escape pre, Boulderdash (not 1200) Carl!
ASI 73 Lewis, Concentration & Challenger!
ASI 74 Crazy Pipes II, Bombjack & Chute!
ASI 75 Double-squares, Colours & Diamond Thief
ASI 76 Gnu Chess, Cubus & Gerb!
ASI 77 Ballooney, Clifhanger & Descender!
ASI 78 Little Boulder, Headgames Fruit Panic!
ASI 79 Gray Attack, Boulderdash Collection II & Atoms!
ASI 80 Army Miner, Flig-It, Golf The Gallows etc.
ASI 81 Amos Defence, Thunder Train & Gerpundula!
ASI 82 Artillery Shuttle Run & Arcade Volleyball
ASI 83 Loadsamoney, Pong & Spider (cards)!!
ASI 84 Emigma, Alischoo & Zerber!
ASI 85 Paradox pre, Matchoards Rubik & Bagitman!
ASI 86 Smurfinit, Lords of Host, Legend of Lathan
ASI 87 Arctic Challenge, Jomus Fullstrand & Landmines
ASI 88 Defender, Relayer & Mosca!
ASI 89 Megaball 2.1, X fire and Cljudo!
ASI 90 Flashbier, Startans & Minefield!
ASI 91 Roton, Matrix & Spectrum!
ASI 92 Bill, Obidox & Solitaire Sampler!
ASI 93 Smash Bang Walker, Mr Shuck & Alien Bash!
ASI 94 Super Skodi Challenge, Merchamod & Giddy!
ASI 95 Premier Pigs, Tangle, Boq & Flog & Super League Man
ASI 96 Dungeon Flipper, Backgammon Tumble Tots Rasterbike
ASI 97 Runfliblast, Mutants from Mars, New Stubb City!
ASI 98 Skychase, The Phone Company & Nestor Cards!
ASI 99 Grib, Parannimot, Space Wars & Org!
ASI 100 Bloodrunner, Pathnino & Monocel!
ASI 101 Meltdown, Paragon Boomerang & Rothello!
ASI 102 Fruit Salad, Rebound & Pacsim!
ASI 103 The Lost Ocreast, Wacky Wabbit & Megarace!
ASI 104 Wooden Ball, Operation Meteor & Pork A Pork!
ASI 105 Particle Man, Rummy & Desert Defender!
ASI 106 Simon, Cosmocruds II, Willy Worm & Micro Market!
ASI 107 Serene III, 4 Row 3D, Equilog & Yacht C!
ASI 108 Strikeball, Ringwar, Four in a Row & Obessel!
ASI 109 Psycho Blast, King High, Deluxe Hamburg, Thrallbound
ASI 110 Space Rescue, Ties Zeng & Huskerol!
ASI 111 Karate Worm II, Stax & Billy Dragon!
ASI 112 Thunderdon II, Aliens, Tron & Step 2!
ASI 113 White Rabbits Preview, Trek Trivia & Popeye!
ASI 114 International Cricket, Pre Insectoids II & Yum Yum!
ASI 115 Star Trek Shoot Up, Egyptian Run, Slime Line & Shark!
ASI 116 Blue Diamonds 4, Tsch & Sorry!
ASI 117 Air Warrior, 1rple Yachtree & Pile Drive!
ASI 118 Zombies, Armmymies 14 & The Last Tetris!
ASI 119 Roboulid, Speed (cards) & Tris (Backgammon)!!
ASI 120 Chainsaw Massacre, Brainbow & Worm!
ASI 121 Boulderdash Collection, Project Buzzbars & Xenon III
ASI 122 Artillerys II, Lamerbup & Valtze!
ASI 123 Mr & Mrs, Elevation II, Haseg Backgammon!
ASI 124 Namegame, MarbleSlide & Snake!
ASI 125 Short Out, Kynaston Kid & Dodge Emis!
ASI 126 Shanghai 93, Lazer Zone & Dodo!
ASI 127 Space Invasion, Deluxe Pacman 1.4 & Solarys Wars
ASI 128 Boulderdash Royal, Trax & Trax Editor!
ASI 129 Chain Reaction, Batman & Uppol!
ASI 130 T-kappell, Tetron & Shoot Shooting!
ASI 131 Firefly, Quantum & Pac Mac!
ASI 132 2nyx, Proker & Syzygy
ASI 133 Cross Circuit, Fuwll & Circuit Wars!
ASI 134 Gammon 1.3, Ack-Ack, Pipeline 3 & Tetrix!
ASI 135 Hot Blox, Super Pong & Snitbunk!
ASI 136 Blockster, Escapade & Squigs!
ASI 137 Galactoid, Scorcheds Tanks & Air Hockey!
ASI 138 The Big Game, Bat Dog & Amigadon!
ASI 139 Fatal Mission II, Chronic Hedgehog Megaworm
ASI 140 Black Dawn, Reversi II & Gold Rusher!
ASI 141 Rueda, Galaxy 93 & Courtroom!
ASI 142 Intense, Xatoms & Pionoon (cards)
ASI 143 Brain Shave, Nibly Nibble, Rejection & Cube
ASI 144 Puzworder, Kung Fu Charlie & Super Pong!
ASI 145 Entity, Battlecars II, Armastemind & C Solitaire
ASI 146 Backgammon D Luxe, Tuts Tomb, Mancals & Parattack!
ASI 147 Polymort, Nostalgium, Megamind
ASI 148 Gledrick, Web II, Epic Walk Your Step
ASI 149 50-D Solve, Doc2Doc, Tack! tank
ASI 150 Krillian Incident, Caffeine Free Diet, Zyrad
ASI 151 52 Klawz, Octafor 2, Big Wil & Sticky Troll!
ASI 152 53 Exit 13, Beetle
ASI 153 Wackman, Bob's Garden, Kaboom
ASI 154 Megablock, Digger, Crazy Clock

ASSASSINS PACKS - Any 10 = £12.50; Any 20 = £20;
Any 50 = £47.50; or singly at PD prices

DEPT (CU) CLIP & POST

Name	
Address	
Postcode	
Tel	

DELTRAX PD (CU),
36 Bodelwyddan Ave,
Old Colwyn,
Clwyd LL29 9NP

DISK PRICES:
1-2 Disks = £2.00 each, 3-15 Disks = £1.50 each
16-24 Disks = £1.25 each, 25+ Disks = £1.00 each
Overseas orders welcome payable in sterling please.

Catalogue disk £1.00, Fast, reliable friendly service.
Make cheques/postal orders payable to "DELTRAX PD"

POSTAGE & PACKING:
UK = 60p per order;
Europe = +20p per disk; R.O.W. = +40p per disk

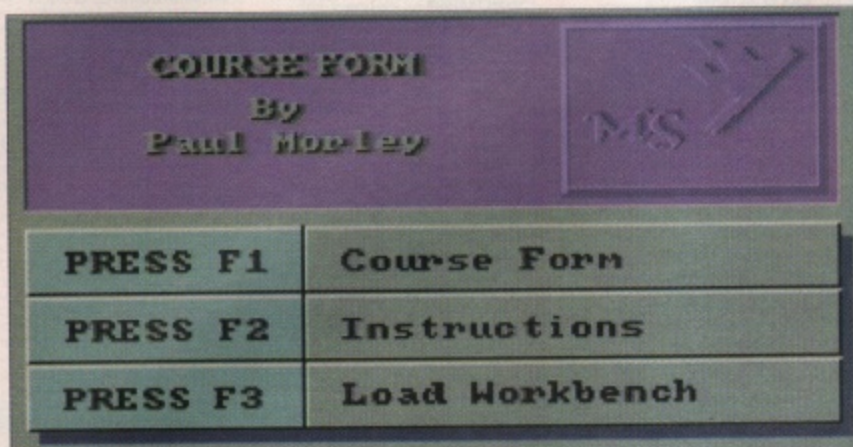
Note: Prices are per disk and not per set

» COURSE FORM horse ratings

If you like a flutter on the horses, but find working out the form a bit tedious, this could be just what you need. *Course Form* acts on the information published in the racing section of most national newspapers. You enter the figures into the program, and it comes back with a rating that tells you how likely the horse is to win. It's as simple as that.

Available from: Roberta Smith DTP, 190 Falloden Way, Hampstead Garden Suburb, London NW11 6JE. Disk no. MUS709. Price: £1.40 including P+P.

80%

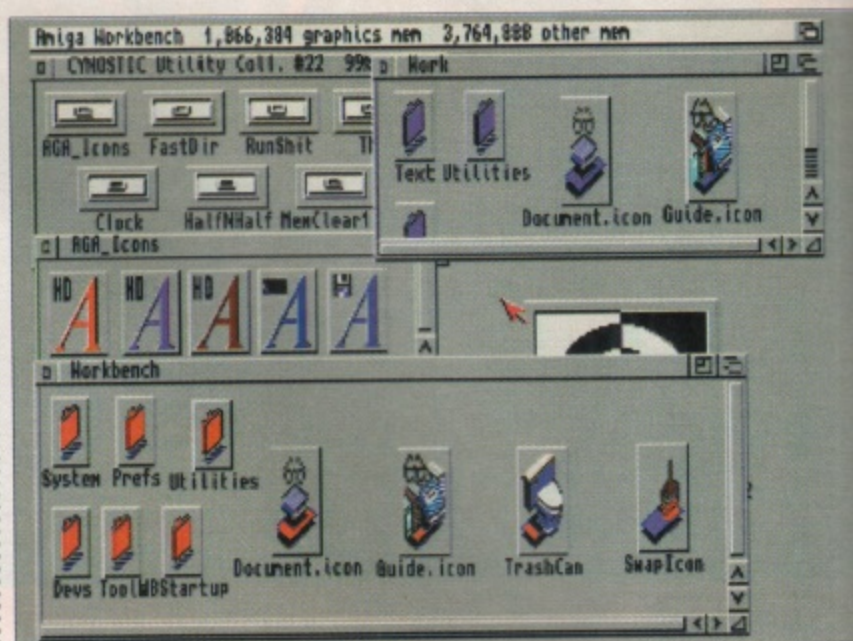
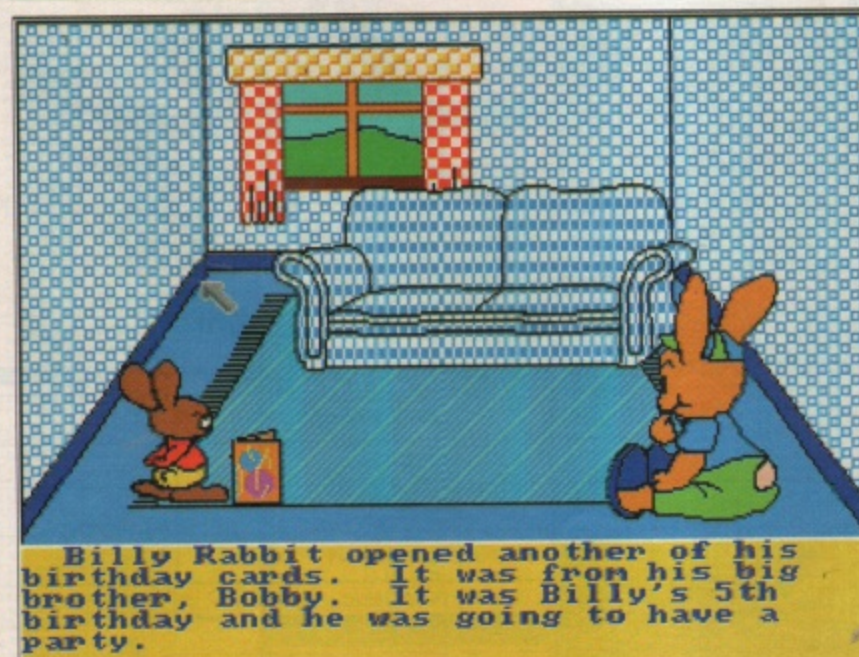
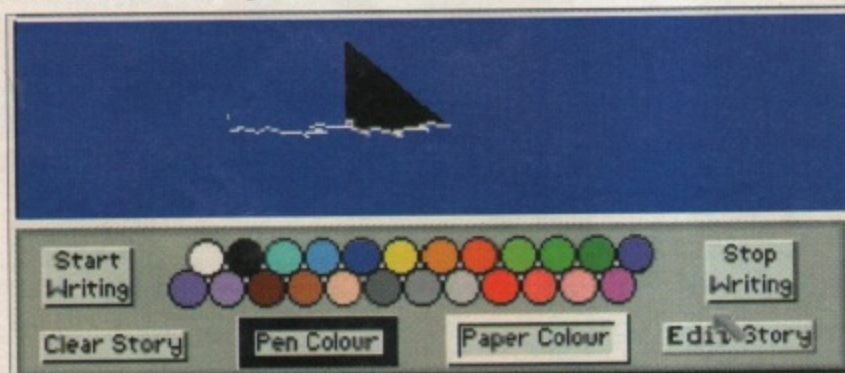


PAINT ME A STORY story maker

Fancy making your own illustrated children's stories? *Paint Me a Story* is designed exactly for that. There are two parts to the program. The first is the drawing section which has a few very basic and quite awkward drawing tools (freehand, line, fill etc.) for you to create the illustrations. The other part is where you enter the text for the story. The text and pictures are then combined, and on you go onto the next page. With a some patience, you should be able to put together some reasonable picture books, but be prepared for a bit of a struggle, as it's not the most helpful program in the world.

Available from: Essex Computer Systems, 118 Middle Crockerford, Basildon, Essex, SS16 4JA. Tel: 0268 553963. Price: £5.00 including P+P.

75%

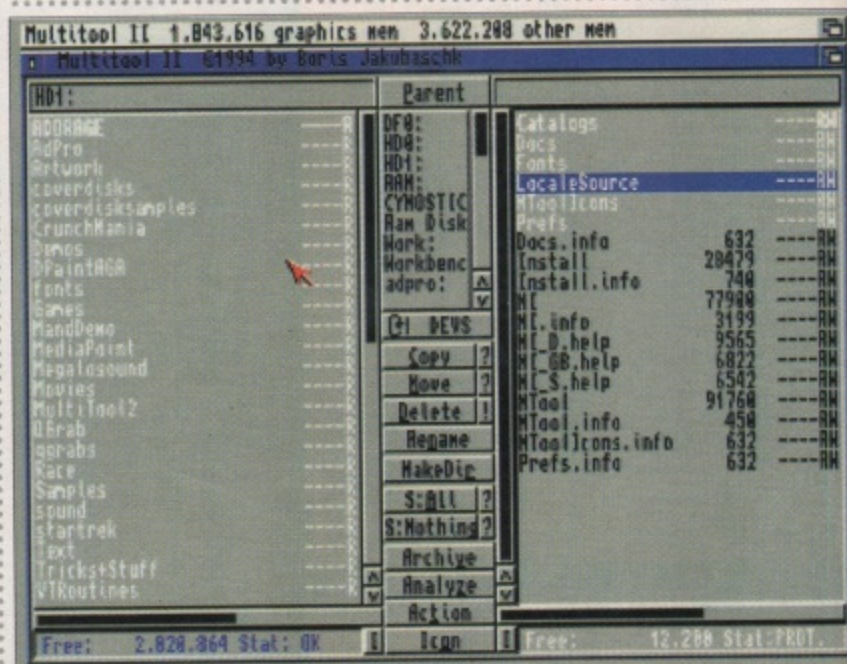


CYNOSTIC UTILITIES 22 utility collection

They're breeding like rabbits! It must be the time of year of something, I don't know, but you just can't move for utility compilations in the PD cupboard this month. Number 22 in the Cynostic series includes some multi-colour AGA icons for your own use, *Half 'n' Half* (turns 1Mb of your A1200's Chip RAM to Fast RAM), *Mem Clear 1.7* (tidies up your unused RAM), a clock, *Fast Dir* to speed up directory listings, *TMC* and *Copy Mem* (speeds up RAM access), and *Run Sh't* (a replacement for the CLI command RUN, which disables AGA for backwards compatibility). You've seen the menu, is Sir ready to order yet?

Available from: Cynostic PD, Office O1, New Enterprise Centre, Little Heath Industrial Estate, Old Church Road, Coventry, CV6 7NB. Tel: 0203 681687. Disk no. U0593. Price: £2.00 including P+P.

78%



CYNOSTIC UTILITIES 25 utility compilation

The most useful program on this disk is *Multi Tool 2.0*. This is a file-handling utility along the lines of *SID* and *Directory Opus*. Moving files around using the Shell or CLI can be a real pain, but *Multi Tool* makes these operations much simpler. Two directory windows (one source and one destination) are used in conjunction with a few buttons, and everything is controlled by the mouse, so you don't have to remember and type in long confusing path names and so on.

Also on the disk are a couple of other programs. *2Print* is a utility for the HP Laserjet printer. According to the documents, "Its only goal in life is to print either 166 characters by 66 lines per page, or 80 characters by 66 lines per page". The other program is *Fast Disk 1.5*, a disk optimiser that speeds up directory listings and loading of files.

Available from: Cynostic PD, Office O1, New Enterprise Centre, Little Heath Industrial Estate, Old Church Road, Coventry, CV6 7NB. Tel: 0203 681687. Disk no. U0278. Price: £2.00 including P+P.

75%

GROUND ZERO SOFTWARE

AMIGA PUBLIC DOMAIN SOFTWARE

To order Public Domain software, simply send your name, address (PRINTED CLEARLY) and your order details. Eg. Disks code numbers and title names. Remember that prices are per disk and not per title. Take particular notice with multiple disk titles. UK Postage and packing at 75p covers any order size. Make sure you send the correct sum of money, otherwise your order cannot be processed. For detailed programme descriptions of these and thousands of more PD titles, check out our catalogue disks.

ORDERING PD DISKS

PRICE PER PD DISK £1.00
(1 DISK FREE FOR EVERY 10 PURCHASED)
CATALOGUE DISK VOL.1 ... £0.50
CATALOGUE DISK VOL.2 ... £0.50
POSTAGE & PACKING £0.75

Overseas orders. Use the above prices, then add 20% of that total, to cover the extra postage costs. Thank you.

PLEASE MAKE ALL CHEQUES/POSTAL ORDERS IN STERLING PAYABLE TO
GROUND ZERO SOFTWARE

DISKS CHECKED FOR VIRUSES.
DATA VERIFICATION ENSURES ERROR FREE DISKS.
SAME DAY DESPATCH ON MOST ORDERS.

GROUND ZERO SOFTWARE (CU)

4 CHANDOS RD
REDLAND
BRISTOL BS6 6PE
ENGLAND

*PLEASE DO NOT SEND CASH THROUGH THE POST
REMEMBER TO INCLUDE POSTAGE & PACKING COSTS

ALL TITLES ARE COMPATIBLE WITH
ALL AMIGA'S UNLESS STATED.

NEW STUFF

PCQ PASCAL - Pascal compiler.
VIDEO WARE VOL.1 - Wedding animations for video editing. Paint compatible format.
T39 (3 DISKS) GRAPEVINE ISSUE #18 - Superb disk magazine. Many regard as the best.
BBC EMULATOR - Emulate the BBC micro on your Amiga. Sample programmes included. *NOT A1200+.
EASY SPELL II - Spelling game. *NOT A500+.
PROCAD V1.0 - Powerful schematic designer. Save and print functions disabled for this shareware version. *NOT A500+.
U378 (2 DISKS) A64 EMULATOR V3.0 - Commodore 64 emulator. Latest version.
MOOSE DRIVER - One track demo of this brilliant Super Mario style racer. Full version only available from author. *NOT A500+.
PHOTOGRAPHY - THE DARK ROOM 1 - Learn about how photographs are developed in the dark room.
JMP'S AGA PICS 5 - Fantasy pictures. Dungeons and dragons style. High quality. *A1200 ONLY+.
GOLF - The classic arcade game.
DEATH WALK - Gorey animation by Paul Henderson. Avoid if easily offended. *REQUIRES 1.5 MEGABYTES+.
SUICIDE MAN 2 - Suicide man decides to fall off a rocky cliff (animation). Avoid if easily offended. *REQUIRES 1.5 MEGABYTES+.
THE HISTORY OF AMY - The career history of Amy the cat walked back in the 1939's to the present day.
LANDSCAPE V1.0 - Garden landscape CAD package. Generates 3D renders from 2D designs.
D SOLVE CROSSWORD - Crossword puzzle game.
SOLAR LORDS - 2 to 4 player space strategy game. Each player must attempt to rule the universe. Games idea influenced by commercial board and computer strategy war games. *NOT A500+.
CRASH TEST - Superb AGA demo by veteran coders, the Burners. *A1200 ONLY+.
SEQUENTIAL - Wow a vector Rollercoaster. *A1200 ONLY+.
189 (2 DISKS) BIG TIME SENSUALITY - Besides other memorable routines, FULL MOTION VIDEO. *A1200 ONLY+.
MAP STATION V1.02 - Game level map designer/editor for assembly programmers.
PROFESSIONAL BINGO - Computerised Bingo programme. Even prints Bingo cards.
AMIGA FRENCH WORD TESTER V1.1 - Title speaks for itself. *NOT A500+.
SPECTRUM EMULATOR 1.7 - Latest version of this spectrum 48k emulator. Software is loaded via sound sampler.
VIEWTEK 2.1 - Superb picture and animation viewer. Supports AGA graphics. *NOT A500+.
S109 (2 DISKS) FIT CHIX - Gorgeous models in swimwear. *A1200 ONLY+.
S113 (2 DISKS) FIT CHIX 2 - More babes *A1200 ONLY+.
BODY SHOP III - Scantly clad super models. *A1200 ONLY+.
S116 (2 DISKS) BODY SHOP IV - More of the same. *A1200 ONLY+.
S118 (2 DISKS) BODY SHOP V - You guessed it. *A1200 ONLY+.
A171 (2 DISKS) DANGEROUS SPORTS CLUB - A sky diving prank goes terribly wrong. *REQUIRES 2 MEGABYTES+.
TRANSYLFAULRE - Count Dracula hasn't quite got the look of it yet. Funny animation. *REQUIRES 2 MEGABYTES+.
A174 (2 DISKS) CD32 REVIEW - The CD32 meets Star Trek in the 25th century. Very clever. *REQUIRES 2 MEGABYTES+.
QED - A talented effort from the coding group, TALENT. A worthy AGA demo. *A1200 ONLY+.
ANATOMY CLIP ART 1 - Large IFF bitmap clip art images of skeletons etc.
WILDLIFE CLIP ART 1 - Mixed wildlife Hi-Res IFF clip art pictures.
WILDLIFE CLIP ART 2 - Second disk in the series.
WILDLIFE CLIP ART 3 - Third and last of this collection.
ANATOMY CLIP ART 2 - Hands and skulls.
G313 (2 DISKS) MR MEN OLYMPICS - Superb 1 to 8 player decathlon game. Very professionally written.
UNPLEASANT WAYS TO DIE SLIDESHOW - Amusing and sick look into various fatal everyday situations. Worth a laugh.
8 (2 DISKS) TOME OF MYTHS - All about Greek Mythology. *REQUIRES 1.5 MEGABYTES+.
THE MYSTERIES OF RUNES - Reference guide to the meanings of the different rune stone symbols. *NOT A1200+.
A DAY AT THE RACES - Horse racing management game. Run your own stable. Buy/sell horses, train them up and race them etc. *NOT A500+.
MOTIV-8 - House and Rave music tracks.
ONSOLAUGHT V1.0 - Good looking tough shoot-em-up. *NOT A500+.

STAR TREK & THE NEXT GENERATION
Disk magazine for all Trekkie fans.
Loads of news, reviews and interviews. Plus music and graphics. Mega.

All five disks for only £9.99 inc. P&P.

ASSASSINS GAMES COMPILATIONS
1 - 154, IN STOCK.

EDUCATION
E55 COMMUNICATE - Translates sign language, morse code, braille, flags, etc. Good learning tool.
E59 STAR VIEW - Displays all the stars, planets, and constellations. With zoom facility.
E16 CHESS TUTOR - Four programs that take you through the rules to taking part in historic matches.
E52 COLOUR THE ALPHABET 2 - Learning game for infants. Includes digitised speech. V.good.
E41 FRACTIONS - Teaches and tests you on (+), (-), (x), (÷), and (y) with fractions.
E49-E51 (3 DISKS) DESKTOP GUIDE TO MUSIC - Everything you ever wanted to know about electronic music. *NOT A500+.
E44 THE MATHS ADVENTURE - Maths problems integrated into an adventure game.
E60 CODE MUNGUS - Highway Code testing program. Strange name but a brilliant bit of software.
E69 ASTRO 22 - Astrology primer programme for horoscopes.
E58 DESERT STORM HYPERBOOK - How the war was won. Includes maps.
E46 LITTLE TRAVELLER - Useful information on the World's popular travel spots. For holiday makers.
E23 TOTAL CONCEPTS - ASTRONOMY - Lots of interesting facts and digitised stills.
E24 TOTAL CONCEPTS - DINOSAURS - All about prehistoric Earth.
E65-66 (2 DISKS) TARRO MASTER - Tarro card tutor and prediction software.
E5 WEATHERMAN - Weather Forecaster.
E18 BIORHYTHM CALCULATOR - Displays your personal biorhythms graph for any month of any year.
T26 DREAMS FOR AN ANGEL - Reveal the secrets of your dreams.
E12 UNITS - Speed, time, weight, length, angles, force, density, volume. Measurement conversions.
E33 ELEMENTS V2.3b - Interactive periodic table for chemistry.
E36 STEAM ENGINE - Cross section animation of a steam engine. See how they work, with labels.
E37 FOUR STROKE PETROL ENGINE - Cross section animation of a car petrol engine.
E42 GAS TURBINE ENGINES - Cross section animations of an old and modern turbine jet engines.
E54 STIRLING ENGINE - Cross section animations of the Stirling engine.
E56-57 (2 DISKS) AMERICAN FOOTBALL - Comprehensive illustrated rule book of this sport.
E68 KIDS DISK 2 - Maths Maze, Beat Sheets, Shape sorter. Edutainment games.

BUSINESS SOFTWARE
U312 BUDBASE V1.2 - Simple to use database.
U111 EASY CALC PLUS - Commercial quality spreadsheet. Loads of features. *NOT A500+.
U324 JGGRAPH 1.0 - Ex-commercial graph plotter. 25 different type of graphs, even 3D ones.
U310 PAY ADVISE DATABASE V3.00 - Payslip database. Shareware demo version.
U303 INVENTORY V2 - Stock control, staff wages database and general database all in one.
U135 600 BUSINESS LETTERS - A letter for every occasion. Job applications to complaints.
U273 ACCOUNT MASTER V2.1 - Very powerful personal finance accounts programme.
U204 CHEQUE BOOK - Keep a track on your cheque account. Nice and easy.
U242 LAST WILL AND TESTAMENT - Ready prepared wills to cover endless situations.
U209 FORM REALLY UNLIMITED - Invoice and form designer with print facility.
U166 BIZCALC - Loan and mortgage calculator.
U304 TEXT ENGINE V4.1 - The best shareware word processor. With integrated spell checker.

GRAPHICS UTILITIES
U1 ULTIMATE ICON DISK - Edit, draw your own Workbench icons. Import graphics from IFF paint packages. Loads of example icons included.
U3 M-CAD - The only PD Computer Aided Design programme. Pretty good.
U9 C LIGHT - Ex-commercial raytracer, now shareware. Easy to use.
U62 SCENE GENERATOR - Fractal landscape generator. Produces realistic mountain landscapes with water, clouds, snow, etc.
U115 LAND BUILD - Another powerful fractal landscape.
U102 AMIGA FOX - Desktop publishing package.
U142 FREE PAINT - The best PD IFF paint proggy.
U208 CYCLOPS - Plasma picture generator. Colourful and weird effects.
U271 POLYED - Animation creator. Uses polygons to allow large animations on low memory Amiga's.
U190 GATORS GRAFIX GALLERY - Tips on how to produce professional logos.
U289 MINI MORPH - Picture warping and morphing programme. Supports 16 colour pictures.
U286 KIDS PAINT - Simple, easy and functional art package for youngsters.
U306 ELECTRONICS CAD - Schematic designer. PD demo version.
U211 CAPTIONATOR - Scrolling text video titler.
U187 MOBED 2 - Sprite drawing and animation editor. For coders.
U154 AUDIO ANIMATION - Animation studio with gnon skin facility. Sound samples can be assigned to any frame.
U54/U55 (2 DISKS) VIDEO UTILITIES - Collection of useful video titling tools.
U285 MOVIES - Video titling tool. For adding scrolling text to videos. Text can scroll up or down and across the screen. Plus some other extra's.
U295 MIXED IMAGINE OBJECTS - Loads of Star Trek objects and military hardware objects for use with the Imagine mixer.
U334-341 (8 DISKS) MIXED IMAGINE OBJECT 2 TO 9 - Series of miscellaneous objects for Imagine.
U296 GRINDER - Picture file format converter. Supports GIF, JPEG, HAM-E, HAM, TIFF, ATARI, etc. *RECOMMENDED you run Grinder from a hard drive with at least 2 megabytes of memory.
U354 LYAPUNOVA V1.5 - Fractal generator. More flexible than mandelbrot.
U270 VMORPH - Another excellent morphing programme.

CLIP ART
U236 - Photo copiers, Office, Men at work.
U230 - Food.
U224 - Sign boards, Star Trek, Christmas.
U223 - Sports, Transport, Work.
U221 - Anatomy, Buildings, Christmas, Holidays.
U220 - Animals, People, Places.
U218 - Cartoons, Construction, Religion, School, Weddings.
U100 - Teddy bears.
U96 - Easter, Christmas, Jungle Animals, Famous faces.
U95 - Zodiac signs, Computers, Symbols, Logos.
U201 - Babies, Furniture, Space, Skeletons.
U233 - Christmas.
U229 - Cars, Flowery decorations, Cupid, Hearts.
U227 - Palm trees, Party invites, Maps of Europe.
U226 - Wild west, Crowds of people, Frames, Signs.
U225 - Fancy letters, Cars, Cute Animals.
U222 - Music, Silhouettes, Symbols, Teddy bears.
U356-365 (10 DISKS) MILITARY CLIP ART.
MUSIC TOOLS
U314 OCTAMETER TUTOR - Comprehensive manual for struggling Octameters.
U317/372 DRUM KIT SAMPLES - Countless drum samples, snares, bass, toms, cymbals, etc.
U325 OCTAMETER V2.0 - The best PD music sequencer around. Quite complex, but well worth the effort.
U344 DELTRACKER v1.37 - Music module player. Supports 50 formats. *NOT A500+.
U256 ST-05 - Sound samples and instruments for use with either U183 and U325.
U257 ST-11 - As above.
U258 ST-50 - As above.
U259 ST-87 - As above.
U260 ST-88 - As above.
U261 ST-89 - As above.
U262 ST-91 - As above.
U263 ST-92 - As above.
U264 ST-93 - As above.

DISK UTILITIES
U281 D-COPY 3.1 - Powerful disk duplication software.
U215 FREECOPY 1.8 - Duplicates 100's of game titles.
U283 LOCKPICK - Similar to Freecopy but supports some other different titles - around 450.
U158 NOERRORS - Formats hard drives and floppies with hard errors (physical damage to surface) and hides them so data will not be written or read from the bad tracks. Saves you money, useless disks can now be used.
U34 MRBACKUP - Hard drive backup software.
U327 DISKSALV 2 - Corrupt data recovery. Undeletes files, validates disks, reads badly corrupt files and rewrites them, etc. *NOT A500+.
U328 MAVERICK COPIER - Another powerful games copier. Well over four hundred games supported.
U329 EPU HARD DRIVE STACKER - Increases hard disk space upto 50% using special compression libraries which compress files written to the disk. *NOT A500+.
U330 DMS II - Compress entire disks into a single file, upto half it's size. Boot blocks and all. Even works with NDOs disks and HD disks. *NOT A500+.
U345 REORG V3.11 - Disk optimiser. Rearranges data on floppies/hard drives for optimum performance. *NOT A500+.

MISC UTILITIES
U291 RELOKICK - Downgrades your A500+ to A1200 to Kickstart 1.3. Very reliable compatibility ratio when used to run many A500 only titles. Even works with many commercial games. Essential.
U301 A-REXX MANUAL - Extensive manual on the A-Rexx programming language. Many example scripts.
U206 RACE RATER - Horse racing predictor.
U294 POOLS TOOLS - Football pools predictor.
U323 FOOTY - Football league database. Presents various types of statistics, plus match predictions.
U316 MAGIC WORKBENCH - Give your Workbench a cosmetic face lift. Changes the icons and a choice of background patterns. *NOT A500+.
REQUIRES A HARD DRIVE.
U293 PARBENCH - Amiga networking software. Allows communications and control between two connected Amiga (even CDTV) computers.
U353 TERMINUS 2.00 - Excellent modem communications software.
U300 NCOM 3.0 - Latest version of this incredibly popular communications package. Very easy to setup. Great for beginners.
U267 SPECTRUM EMULATOR V1.4 - Run Spectrum games on your Amiga. Load in software via a sampler. Games can then be saved to disk.
U241 CANON PRINTER DRIVERS - Bubble Jet drivers for the following models: CanonBJ30, CanonBJ10-20, CanonBJ300-300.
U239 STAR PRINTER DRIVERS - 9 and 24 pin printer drivers for the Star range of printers.
U103 MESSYSID II - Transfer files to and from Amiga DOS and PC MSDOS disks.
U313 AGA UTILITIES - Loads of utilities for A1200 owners. Includes a number of downloading tools.
U274 CG FONTS COLLECTION VOL.1 - Scalable Compugraphics fonts for word processors and DTP that support this format. High quality.
U275 CG FONTS COLLECTION VOL.2 - As above.
U276 CG FONTS COLLECTION VOL.3 - As above.
U308 CG FONTS COLLECTION VOL.4 - As above.
U369-370 (2 DISKS) SCALA BACKGROUNDS - Hi-res backgrounds for use with Scala.
U366 TRONICAD - Schematic designer and printer.
U342 SUPER LEAGUE 3.40 - Fully configurable Football league database. Loads of features.
U246 U247 (2 DISKS) MORC V1.0 - Rune stone fortune teller.
U216 BON APPETIT V1.3 - Recipe database.
U165 GURU - Tells you what those errors are.
U151 P-SUITE - Create impressive text files with illustrations, animations and sounds. All you need to do all this is in this package.

AMIGA SYSTEMS CHECKERS - Suite of Amiga system performance testers and diagnostic analysers.
U112 AMOS WORD SQUARE SOLVER - Locate those elusive words.
U111 GOLFSCORE - Golf score database. Keep a computerised record of your results.
U107 AMIGA WRITER - Intro demo writer. Also includes your own music modules.
U180 BROWSER II - Superb directory utility. For transferring files etc. Editable pull down menus.
U188 EDIT KEYS - Keypad editor.
U289 DART MACHINE - Computer dart scoring.
U290 CHARACTER GENERATOR - Advanced Dungeons and Dragons character generator. Every rule is realised by the programme for character creation. Also will print out the character sheet.
U280 LEMMINGS II HARD DRIVE INSTALLER - Install Lemmings 2 on your Hard drive. *NOT A500+.
REQUIRES 1.5 MEGABYTES OF RAM.
U302 AMOS NCOMMAND - Design Workbench 2.0 style front ends for your Amos programmes. Saves as Amos source code. Save yourself hours of coding.
U307 AMOS PRINTER ROUTINE - Creates GFX printer routines for Amos projects.
U248 NOAH'S BEGINNERS GUIDE TO THE AMIGA - Tutorial for complete beginners. Based on the A500 but loads of universal information for all models. Also covers hardware like, modems, hard drives, and printers.
U240 AMOS LESSON 1 - Easy Amos tutorial. Focuses on basic screen commands, giving many examples (interactive) on how they work and for what purpose they can be used for.
U173/174 NORTH C - Complete C programming environment.
U355 POWER LOGO 1.3 - Logo programming language.

DEMOS *A1200 ONLY*
D153 RETINA - Energetic rave music with flashy effects. Turn down the lights!!!
D184 FULL MOON - You can't get much better than this.
D185 FATAL MORGANA - Includes a tribute to Beavis and Butthead.
D157 MOBILE - DESTINATION UNKNOWN - Spectacular vector demo.
D159 LETHAL EXIT - Long running vector based demo. Light sourced vectors and tunnels.
D180 TROJAN - TECHNO TRACKS II - Rave demo from the US of A.
D172/173 (2 DISKS) ORIGIN - This demo has everything. Wonderful visuals.
D149 PLANET GROVE - Very eye catching.
D158 NOP AGA - Little demo from Hungary.

DEMOS
D161 FAIRLIGHT 242 - Twenty nine megabytes of graphics compressed onto one disk. Incredible.
D169 LETHAL EXIT - Long running vector based demo. Light sourced vectors and tunnels.
D180 TROJAN - TECHNO TRACKS II - Rave demo from the US of A.
D172/173 (2 DISKS) ORIGIN - This demo has everything. Wonderful visuals.
D149 PLANET GROVE - Very eye catching.
D158 NOP AGA - Little demo from Hungary.
D171 EXTENSION - One of those demos you'll want to watch over and over again.
D111 FRACTAL FRENZY - Mandelbrot demo. Fast real-time calculations.
D97 SESPOR - Pretty classy demo.
D90 MELTED EXPERIENCE - Recommended for all serious demo collectors.
D65/66 (2 DISKS) SILENTS BLUE HOUSE - Strange combination of a Thrust clone and loads of music tracks. V.good. *NOT A1200+.

MUSIC DEMOS
M137 DIGITAL DEBUSSY VOL.1 - Five haunting piano renditions of Claude Debussy. By Rob Baxter.
M138 DIGITAL DEBUSSY VOL.2 - More piano suites.
M139 CLASSIX - Music of three famous composers. Handel, Bach, and Pachelbel.
M134 RHAPSODY IN BLUE - Popular jazz music. From the Rhapsody in Blue advertisement.
M130-M131 (4 DISKS) THE A-Z OF C64 SONGS - Hundreds of classic Commodore 64 tunes from games. Many from the top game music composers of that era. Great stuff!
M129 TOCATTA & FUGUE IN D MINOR - Well known popular classical music piece - but no one seems to know the name? *NOT A500+.
M125 MUMBO JUMBO - Decent music and interesting visuals. Things fly all over the place.
M122 GOSPEL KARAOKE - Sing a long to the words and sampled music.

SLIDESHOWS
S87 TERMINATION PICTURE SHOW 1 - Hand drawn characters from 2000AD and the DC comics.
S85 NAM SLIDESHOW - Snaps from the Vietnam war.
S73 GULF WAR SLIDESHOW - What hardware was used in the conflict.
S67 NAGEL SLIDE - Hand drawn pictures of seductively dressed ladies.
S47 HAM PICTURES 1 - Models in swim suits.
S48 HAM PICTURES 2 - More of the same.
S98 SATURNE 93 - Well drawn artwork, from Manga art to fantasy art.
S01 MANGA WORLD - Needs no introductions, the cult Japanese cartoons.
S92 AKIRA - More Manga pictures.
S100 FERRARI AGA - Fast sports cars. *A1200 ONLY+.
S94 NIGEL MANSELL AGA - Nigel in his Formula One racing days with Williams. *A1200 ONLY+.
S93 REVELATIONS - One of the best hand drawn slideshows ever. Amazing attention to detail.
S102-S105 (4 DISKS) WORLD OF MANGA - The best Manga slideshow around. Great graphics and music. *A1200 ONLY+.

GAMES
G282 MEGABALL AGA - Superb arkanoid clone in 256 colours. A real quality game by any standard. *A1200 ONLY+.
G288 NUMERIX - Excellent board game for 1 or two players. A hybrid of Tetris, Dominos, and Scrabble.
G273-274 (2 DISKS) STARBASE 19 - Sci Fi graphic adventure. Uses point and click interface used by such games like Monkey Island.
G222 CHESS GAMES - 2 very well programmed chess games: GNU Chess *NOT A500+ and Chess 2.0 (for all Amiga's). Includes 10 top Chess tips on how to play successful Chess.
G280 BLACK DAWN - 3D perspective dungeon game with an Alien Breed scenario.
G183 BOUNCE & BLAST - Very playable platform blasting game. Brilliant cartoon sprites.
G200 FIGHTING WARRIORS - 1 or 2 player martial arts combat game. Large well animated characters with numerous moves including a couple of special moves.
G205 TOP OF THE LEAGUE - Soccer management game.
G210-211 (2 DISKS) TALISMAN - Huge icon driven graphic adventure. *REQUIRES 2 MEGABYTES+.
G212 FRUSTRATION - Text based adventure. Loads of depth.
G224 OBLIVION - Fast moving defender clone.
G226 MORIA V5.4 - Massive RPG. Dungeons and a town to explore. Hours of play.
G229 GIGER TETRIS - Tetris with 256 colours. *A1200 ONLY+.
G290-291 (2 DISKS) GEORG GLAXO - Amazing platform game from Germany.
G237 BACKGAMMON - Computer version of this board game. One or two players.
G241 IMPERIAL WALKER - Take control of an X-Wing fighter and stop the Imperial Walkers from reaching the Allied HQ. 3D Game.
G246 WIBBLE WORLD GIDDY - Amazing platform puzzle game similar to the budget Dizzy games.
G299 HIGH OCTANE - Overhead racing game for 1 or 2 players. Masses of features and best graphics in a PD racing game.
G168 OTHELLO - Good version of the board game. Computer player is a real tough customer.
G276 THE GREAT ESCAPE OF BILLY BURGLAR - Help Billy escape from the spotlight.
G68 INSIDERS CLUB - Stockmarket game. Better than it sounds. Very polished addictive game.
G35 JAR - Crystal Castles clone. An old arcade game a bit like Pacman with raised platforms. 3D isometric. A real classic PD game.
G182 TREASURE ISLAND - Treasure search game for youngsters.

G286-287 (2 DISKS) EXORCISM - Sinister graphic text adventure in a haunted house.
G283-285 (3 DISKS) KLONDIKE DELUXE AGA - Fantastic card game. Each card shows a different 256 colour picture. Glamorous ladies. *A1200 ONLY+.
G296-297 (2 DISKS) MOTOROLA INVADERS - Shoot-em-up for AGA. *A1200 ONLY+.
G255 AMOS CRICKET - Cricket game.
G256 SHANGHAI - Oriental file board game.
G257 DELUXE PACMAN - Great Pacman clone.
G265 BONDMEIN #13 - Boulder Clone at it's best. A game not to be missed.
G268 SLAMBALL - Futuristic American football management game. Based on Speedball.
G289-290 (2 DISKS) 18th HOLE - Golf game.
G239 RAID II - Great looking shoot-em-up.
G139 CROAK - Frogger clone. 2 player mode lets you race against a friend at the same time.
G158 BRAIN BALD - Look looking original puzzle game. Requires great skill, so it's pretty tough.
G240 BILLY THE DRAGON - Easy going cute blaster for kids.
G196 CAG - Produces graphic adventure games, no programming knowledge required.
G88 21 GAMES - Chinese Checker, Amigatation, Cosmoroids, Peg puzzler, Tic tac toe, Bally III, Backgammon, Up and down, Deluxe Hamburger, Kamikaze chess, Egyptian run... And loads more...
G304 DELUXE GALAGA - Galaxians clone. Super graphics and power ups. V.good. *NOT A500+.
G303 ORK ATTACK - Protect the castle walls from invasions. Loads of food and guts in this one.
G301 TURBO ICE HOCKEY - Ice Hockey game for 2 players. *NOT A500+.
G306 METAL MOTION - Operation Wolf style shoot-em-up. Good graphics. *NOT A500+.
G307 DARTS - Play darts against the computer or a friend. Number rules and scoring applied.
G294 FLEUCH V2 - Thrust clone. The classic C64 MEGA hit.
G300 V CHESS 2.0 - Featured packed Chess game. Everything you could imagine and more. *NOT A500+.
G278 FRIDAY THE 13th PART X - Search the building for victims, but avoid the cops.
G279 MUGGIES REVENGE - Become a Gangster.
G306 QUACKERS - Cutesy platform game starring a Duck.
G304 DELUXE GALAGA - Fabulous shoot-em-up. Amazing graphics. *NOT A500+.

STOP PRESS LATEST EDITIONS

G316 POLYMORPH - Near puzzle game.
G317 HYPERDRIVE - The fastest Amiga game ever. One or two player space ship racing and reflex buster. Wow. *NOT A500+.
G121 CORRA DESIGN SLIDESHOW - Pictures by M.Mansfield.
T40-T42 (3 DISKS) GRAPEVINE ISSUE #19 - Just released the 19th edition of this popular disk magazine.
D191 LINUS - A demo/animation in the style as an eastern european cartoon. Very good.
D192 FRIDAY AT EIGHT - Outstanding demo from the Polka brothers. *A1200 ONLY+.
U390 MUSIC BASE V1.1 - Specialised database for storing your music collection. CD's, tapes, LP's. Shareware.

IN CASE YOU DO NOT SEE A PARTICULAR TITLE YOU ARE LOOKING FOR, ENQUIRE OVER THE PHONE. AND WE WILL BE HAPPY TO TELL YOU WHETHER WE STOCK THE TITLE/S. THIS MAGAZINE ADVERT IS ONLY A VERY

PHONE ENQUIRES (MON-FRI 9.00 AM TO 6.00 PM): 0272 741462

SEASOFT

The Logical Choice



CLR EDUCATION

ACHORD (£3.50)
Guitar chord tutor
T.A.M.I. (£3.50)
GCSE maths tutor
NIGHT SKY (£3.50)
A must for all star gazers
WORDS & LADDERS (£3.50)
Snakes & ladders spelling game
BASICALLY AMIGA (£5.50)
Beginners reference and Amiga Dos
LETS LEARN (£3.50)
Various progs for 5-7 year olds
ALPHABET TEACH (£3.50)
Helps young kids recognise words
FAST FRET (£3.50)
Guitar scales tutor
WORK & PLAY (£3.50)
Educational program for young kids
PLAY IT SAFE (£3.50)
Teach kids about safety in the home
BIG TOP FUN (£3.50)
Help young kids with words/pictures
JIGMANIA (£3.50)
A jigsaw solving program/con. kit
CHESSTeacher (£3.50)
Tutorial for beginners
MIND YOUR LANGUAGE
Self improvement vocabulary course
SPEED READING (£5.50)
Improve your reading skills
CHORD COACH (£3.50)
Excellent piano tutor
C.A.T.T. (£4.50)
A Tarot prediction program
FUN WITH CUBBY (£3.50)#
8 different educational games for kids
PREHISTORIC FUN PACK (£3.50)
4 excellent Dinosaur games for kids
PEG A PICTURE (£3.50)
Build your picture with coloured pegs
UNDERSTANDING AMOS (£4.50)
A must for Amos users, all about Bobs
MY LITTLE ARTIST (£4.50)#
Super colouring book for young kids
BOREALIS JUNIOR (£3.50)
Simple drawing package for children
BASICALLY MEDICINE (£4.50)
Covers all aspects, first aid, drugs etc.
COMPOSITION (£3.50)
Photographic tutorial on composition
TELL THE TIME (£3.50)
A fun way to teach kids the time
PORTRAITURE (£3.50)
Photographic tutorial about portraits
CUBBY 2 (£3.50)#
Excellent package for young children
SEA SENSE (£3.50)
Seamanship tutorial - more code etc.
ROCKET MATHS (£3.50)
Excellent childrens maths tutor

AMFC Pro

Converts files between
most trackers and
OctaMED & Music-X
format
£10.00

AM/FM

disk magazine for the
serious Amiga musician
Issue 18 out now
£2.50
(issues 1 to 17 also available
send sae for complete list)

SAMPLES

18 disks packed with high
quality samples
£2.50 per disk
(send sae for detailed listing
of AM/FM magazine &
samples disks)

MIDICRAFT

High quality
MUSIC-X and
AMIGA/PC MIDI files
Call for full details

FRED FISH
1 to 975+

OctaMED Pro V5.01b - £30.00

Latest version of this famous 8-channel music
editor with new Workbench v2.1 files
(Note - requires Kickstart 2.04 or later)

OctaMED Companion - £15.99 (£1.00 p&p)

Printed tutorial & accompanying disks
Essential reading for all OctaMED V5 users

TOTAL IRRELEVANCE

Issue 6 of the official MED User Group (MUG)
disk magazine is now available - £2.50
Issue 5 still available - £2.50
T.I. 1993 (the best of issues 1 to 4) - £4.50

NEW - pick 'n' mix modules - NEW

Dozens of OctaMED modules produced by MED User
Group members - call or write for full details
Other goodies from MUG (see PD prices below)

SAMPLES - Drum Kit (2), Bass Sounds (1), Brass & Woodwind (1)

NO SAMPLER? (2)

No need for a sampler with this collection of rippers etc.

FRIENDS OF PAULA 5 (1)

Latest in a series of brilliant OctaMED 4/5 modules

(FOP 1 to 4 also available)

MIDI TUTORIAL (1)

CLR ENCYCLOPEDIAS

Disk based encyclopedias covering a range of interesting subjects.
Using a combination of text, diagrams, drawings & photographs, each
title is entertaining as well as educational.

DINOSAURS 2 (£4.50), **DINOSAURS 3 (£5.50)**, **GEOLOGY (£4.50)**, **SOLAR
SYSTEM 1 & 2 (£5.50 each)**, **ECOLOGY (£5.50)**, **FRESHWATER FISHING
(£4.50)**, **YOUR FIRST PONY (£4.50)**, **MESSERSCHMIT BF109 (£4.50)**,
SPITFIRE (£4.50), **CHEMISTRY (£4.50)**, **BASIC LANG (£3.50)**, **TITANIC
(£4.50)**, **DISCOVER AMERICA (£3.50)**, **KINGS AND QUEENS (£4.50)**

AMIGA PUBLIC DOMAIN & SHAREWARE

PD/SHAREWARE PRICES - PER DISK
(No. of disks shown in brackets)

1 disk - £2.00, 2-4 disks - £1.50, 5-9 disks - £1.25, 10-24 disks - £1.00, 25+ disks - £0.90

TECHNOSOUND SAMPLERS

TURBO - £22.50

TURBO 2 - £29.95

NEW LOW PRICES

AMIVISION LICENCEWARE

(£4.99 each)

FORMULA ONE CHALLENGE V2

Manage your own racing team
with this addictive & detailed
simulation

POWER BASE V2.2

Powerful, user friendly
database program

POWER PLANNER

Personal organiser with diary,
address/telephone book,
automatic reminders, regular
events etc.

ACC

HARDWARE PRO-

GRAMMERS MANUAL

Assembly language tutorial

Disk 1 (PD) - £2.00

Disks 2 to 4 - £12.50

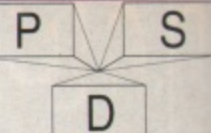
DISK 5 NOW

AVAILABLE £5.00

ASSASSINS

GAMES

1 to 165+



A MEMBER OF THE PROFESSIONAL
STANDARDS FOR DISTRIBUTION

CLR GAMES

TRUCK-IN ON 2 (£4.50)
(2 Drives) Run your own trucking Co.
DRAGON TILES (£3.50)
Excellent Shanghai puzzle game
MOTOR DUEL (£3.50)
3D Car racing shoot-em-up
PIC IT (£4.50)
'Catchphrase' trivia game
PARADOX (£3.50)
Excellent sliding puzzle game
SONIC SMARTIEHEAD (£3.50)
Help Sonic - Kids platform game
QUINGO (£3.50)
Pub quiz machine simulator
CRYSTAL MAZE (£3.50)
Excellent pacman style game
IMBRUIUM (£3.50)
Excellent platform adventure game
JUNGLE BUNGLE (£3.50)
Test/Graphic adventure game for kids
WHITE RABBITS (£3.50)
Totally addictive puzzle game
OGI (The Caveman) (£3.50)
Excellent platform game. A must
F1 RACER (£3.50)
Formula 1 type racing game
CRYSTAL SKULL (£3.50)
3D Dungeon Master type game
TENPIN BOWLING (£3.50)
Excellent bowling game

CLR UTILITIES

VIDEO TITLER (£3.50)
Professional touch to your videos
TYPING TUTOR (£3.50)
Complete course, structured lessons
ALPHA GRAPH (£3.50)
Comprehensive graphing program
POWER ACCOUNTS (£3.50)
Keep track of your bank account
CALC V1.3 (£3.50)
Powerful spreadsheet
SUPER SOUND V4.7 (£3.50)
Powerful sample editor
X-STITCH LITE (£3.50)
Produce cross stitch charts
INVOICE MASTER V2 (£3.50)
Create your own invoices
IMAGEBASE (£3.50)
Multimedia program (Text & Sound)
ADVENTURE TOOLKIT (£3.50)#
Text adventure creator
DRAW SELECTOR V2 (£3.50)
Pools prediction program
FLOW CHARTER (£3.50)
Create neat flowcharts
POWER TEXT 2 (£3.50)
Excellent Word processor/spell check

ACC

AMIGA CODERS CLUB

hints, tips & source
code for assembly
language programmers

£3.50 per issue
(issue 32 now available)

MUSIC

GUIDE TO ELECTRONIC

MUSIC (3)

Comprehensive guide (2 drives)

MED 3.21 (1)

Final version of classic editor

MIDI CRAFT - VOL 1 (1)

Demo of MUSIC-X/MIDI files

MUSIC ENGINE (1)

Multi format music player

OctaMED V2 (1)

Full featured 8-channel editor

OctaMED V4 (1)

Non-save demo

OctaMED V5 (1)

Non-save demo

PROTRACKER 3.01B (1)

Latest version

X-BEAT PRO (1)

Drum sequencer

OCTAMED MODULES

MAKING TRAX - VOL 1 (1)

MICROTRACK (4)

MUSICALLY CHALLENGED (1)

MEGA MOUSE

400dpi ultra high res

£14.95

MIDI INTERFACE

with leads

£22.50

DISKS & BOXES

(£1.00 p&p)

DISK BOXES

10 cap - £1.25

40 cap - £4.50

100 cap - £5.99

3.5" DISKS WITH LABELS

100% error free

DS/DD (AMIGA etc.)

10 - £5.00

50 - £22.50

100 - £42.50

DISK LABELS

100 - £1.50

500 - £6.00

1000 - £10.00

1000 T.FEED - £12.50

A-GENE V4.45

Latest version of this
classic genealogical
database program

£15.00

CD ROMS

(£1.00 p&p)

CDPD 1, 2 & 3

£19.95 each

Fish disks & lots, lots more

AMINET - £19.95

Latest utilities etc. for the
serious Amiga user

17 BIT COLLECTION

£39.95

An instant P.D. library on this
brilliant 2 disk collection

17 BIT CONTINUATION

£19.95

More 17 bit titles

MULTIMEDIA TOOLKIT

£19.95

pics, colour & mono clip art,
fonts, samples & more

GAMES 1, 2 & 3

£19.95 each

100 PD-GAMES ON EACH OF THESE
CD32 COMPATIBLE ROMS

PARNET

1.8 PARNET lead
with P.D. software

£12.50

AMIGA-AMIGA

null modem lead
£6.00

ACCESSORIES

(£1.00 p&p)

PYTHON JOYSTICK - £9.99

ZIPSTICK JOYSTICK - £12.99

MOUSE MAT - £2.99

MOUSE HOLDER - £2.50

HEAD CLEANING KIT - £2.99

MONITOR COVER - £4.99

A500 DUST COVER - £2.99

A600 DUST COVER - £2.99

A1200 DUST COVER - £3.99

PRINTER STAND - £4.99

PRINTER LEAD (1.8m) - £3.99

PRINTER LEAD (5m) - £6.99

4 PLAYER ADAPTOR - £5.99

LONG JS EXTENDER - £4.99

SHORT TWIN EXTENDER - £4.99

AMIGA-SCART LEAD - £10.00

UTILITIES

A-BASE (1)

Excellent database program

AGENE V4.18 (1)

Demo of commercial package

AMIGA FOX V1 (1)

Desktop publishing program

ASTRO 22 V3.5 (1)

Serious astrology program

ACC 1-4 (1)

Best of Issues A.C.C. 1-4

C.MANUAL V3 (12)

Comprehensive C Manual

CHECKBOOK (1)

Keep track of your bank acc.

COMMUNICATE V1.2 (1)

Sign language program

D COPY V3 (1)

Excellent copying program

EASY CALC (1)

Excellent spreadsheet

EASY CALC+ (DOS 2) (1)

Diagnostic program

ENGINEERS TOOL KIT (1)

Diagnostic program

FREECOPY V1.8 (1)

Install games etc on your HD

FRED FISH CAT (1)

Lists all Fred Fish disk

FORMS UNLIMITED (1) &

600 BUS. LETTERS (1)

Useful business programs

GOLF RECORDER (1)

Golf database

ICON PLUS (3)

Various icons and useful utils

INSCRIPT V1.1 (1)

Video titler

KICK 1.3 (1)

Run those A500 programs

KICKSTART 2 (1)

Emulates Kickstart 2 on A500

LOCK PICK 2 (1)

Install many games on HD

MCAD V1.22 (1)

Technical drawing package

MAGNUM V1.9 (1)

Disk magazine creator

MENU MASTER 3 (1)

Create your own menus

MESSY SID 2 (1)

Amiga - PC file converter

NCOMM V3 (1)

Powerful comms package

NORTH C (2)

C-compiler

NUMPAD (1)

Adds numeric keypad to A600

PC TASK V2 (1)

Demo of PC emulator

PROCAD ELEC. V1.3 (1)

Demo Circuit/PCB design

SID 2 (1)

comprehensive directory utility

SPECTRUM EMULATOR V1.7 (1)

Latest Spectrum Emulator

SUPERVIEWER (1)

Slideshow construction kit

TEXT ENGINE V4.1 (1)

Text editor/word processor

TEXT PLUS 3 (1)

Excellent text editor

V-MORPH V2.3 (1)

Morphing program

VIRUS CHECKER (1)

Latest VC V6.33 - a must

ASI GAMES

ASI 151 - Krillian Incident,

Caffeine Free Diet, Zyard

ASI 152 - Klawz, Dictator 2,

Big Willy and the Troll

ASI 153 - Exit 13, Beetle

ASI 154 - Wackman, Bobs

Garden, Kaboom

ASI 155 - Megablock, Digger,

Crazy Clock

WMC PD

ALL DISKS GUARANTEED VIRUS FREE
24 HOUR TURNAROUND
TELEPHONE SUPPORT/HELP LINE

GAMES

AGA MEGABALL Y
 1200 version of this great game
KISS THE CANVAS +Y
 Good Boxing Game
AMERICAN FOOTBALL
COACH +Y Management sim
TALISMAN +Y (2)
 Excellent RPG Game
ALL NEW STAR TREK +Y (2)
 By Richter, best Trek
U CHESS (4 Meg)
 The Ultimate Chess Game
MADFIGHTERS 2 Y
 Beat 'em up
ORC ATTACK +Y
 Beat off the orcs to save the castle
SKIDMARKS +Y (2)
 Overhead view racing game
DARTS +Y
 Score a bullseye
SUITCASE +Y (2)
 Text/graphics adventure game
BILLY THE DRAGON +Y
 Nice shoot 'em up
OSWALD +Y
 Jump the polar bear to safety
JIGGERBUGS +Y(2)
 Excellent puzzle with a twist!
18 HOLE GOLF +Y (2)
 Great golf game
STARBASE 13 +Y (2)
 Best PD game ever - get it!

UTILITIES

600 BUSINESS LETTERS +Y
 Letters for every occasion
DEGRADERS +Y
 A selection of degraders to solve
 compatibility problems
TEXT ENGINE V4.0 P+Y
 Excellent word processor
EPU HARD DRIVE STACKER +Y
 Make more room on your HD
ENGINEERS KIT +Y
 Check out your system
V MORPH +Y
 Good morphing program
FREECOPY 1.98+Y
 Make back up copies of lots of commercial
 games
HAMLAB PRO +Y
 Good HAM graphics program
DISKSALVE II +Y
 Salvage lost data
SIMPLE ACCOUNTS +Y
 Two complete accounts packages
LS LABELS +Y
 Good label printer
SPECTRUM EMULATOR V1.7
 +Y Play your old speccy games
PRINTER DRIVER GENERATOR
 +Y Create printer drivers
SHOW WIZ +Y
 Good slideshow creator

SLIDES

NAGEL SLIDES +Y
SUICIDE MAN 2 +Y
AKIRA +Y
ADDAMS FAMILY +Y
CATWOMAN +Y
CREEPSHOW 1 +Y
GOLEMS GATE +Y
TERMINATOR 2 +Y
TOTAL RECALL +Y
ASTRONOMY +Y
CHARLEY CAT - SNOWJOKE +Y (2)
101 USES FOR A DEAD CAT +Y

18+

CELEBRITY SPECIALS 3 +Y
CELEBRITY SPECIALS 4 +Y
CELEBRITY SPECIALS 5 +Y
NAKED DREAMS +Y
GIRLS GIRLS GIRLS 2 +Y
MAMMARY MAMAS 1 +Y
MAMMARY MAMAS 2 +Y
BLONDE BEAUTIES +Y
BUST UP +Y
BORDELLO BEAUTIES 9 +Y
CLASSIC GIRLS 2 +Y
CLASSIC GIRLS 3 +Y
CLASSIC GIRLS 4 +Y
ERIKA ELENIKA AGA Y
GIRLS ON FILM P +Y
MADONNA SEX 1 +Y
MADONNA SEX 2 +Y
MADONNA SEX 3 +Y
PENDLE EUROPA +Y
PENTIRE GLAMOUR +Y (2)
ROSEBUD +Y
WOMEN OF THE ORIENT +Y
MAYFAIR BEAUTIES 2 +Y
MAYFAIR BEAUTIES 3 +Y
UTOPIA 3 +Y
HUSTLER GIRLS + Y (2)

MUSIC

LED ZEPPELIN GUITAR SOLOS +Y
SERGEANT PEPPER +Y (2)
PIANO CLASSICAL SELECTION +Y
L7 - PRETEND WE'RE DEAD +Y (3)
DIGITAL DEBUSSY 1 +Y
AMIGADEUS +Y
BOWIE DEMO +Y
MADONNA - JUSTIFY MY LOVE +Y
DOOP +Y
VIVALDI +Y
MAKIN TRAX +Y
MIAMI VICE +Y

ELECTRONICS PACK 4 DISKS £3.50
 Tronicon - create circuit diagrams with ready made components. Digital
 Bread Board - build and test logic circuits. Also includes Galer-Generics Array
 Logic, Analyser.4 Channel Oscilloscope etc. etc.

PROGRAMMERS PACK 5 DISKS £4.45
 Fortran, Pascal, C, Modula 2. Docs and lots of utilities.

IMAGINE OBJECTS & TEXTURES 7 DISKS £5.95
 Crammed full of a large selection of objects and textures for your favourite
 ray tracer. Archived for extra value.

COMPUGRAPHIC FONTS 3 DISKS £2.50
 36 scalable compugraphic fonts which work with WB 2.0 or 3.0, Pagestream
 V2+, Pro Page V3+, and Pagesetter V2+.

EDUCATION PACK 5 DISKS £4.45
 Packed with fun ways to learn for 3-12 year olds.

GAMES PACK 5 DISKS £4.45
 A collection of every type of game gives hours of fun.

CRAIG COLLINS ANIMATIONS 10 DISKS £8.45
 From the master of animation, the highly acclaimed LAST STAND ON
 HOTH, THE AD, REVENGE, SUNSET JETS & DOLPHIN DREAMS.
 (Requires 3 meg).

BLANK DISKS Dyan Precision Branded 3.5" DS/DD disks with labels
 10 - £4.75 25 - £11.25 50 - £21.00 100 - £40.00

(inc. P&P)
 Also available - Joysticks, Mousemats, Disk Boxes etc...
 See Catalogue for details.

**IF ORDERING FROM THIS
 SECTION PLEASE SIGN TO SAY
 YOU ARE OVER 18 YEARS**

+ - A500/A600 compatible, Y - 1200 compatible, () - number of disks Cheques/POs payable to

PRICES
 1-9 disks £1.20 each
 10-19 disks £1.00 each
 20+ disks £0.90 each

POSTAGE
 UK 50p per order
 Europe + 10p/disk
 World + 20p/disk

WMC
 5 Tai Arthur
 Penisarwaen
 Gwynedd LL55 3PN
 Tel/Fax 0286 871815

THIS IS ONLY A SMALL SAMPLE OF OUR VAST SELECTION OF PD TITLES
WE STOCK THE FULL RANGE OF FRED FISH, SCOPE AND ASSASSINS
WE CAN SUPPLY ANY PD DISK ADVERTISED IN THIS MAGAZINE

WRITE OR PHONE FOR FREE CATALOGUE DISK

ORION PD

EST. 1992

SPECIAL PACKS

GAMES PACK 1 30 GAMES 5 disks £5.99
GAMES PACK 2 30 GAMES 5 disks £5.99
EDUCATION PACK 1 5 disks £5.99
EDUCATION PACK 2 5 disks £5.99
C64 GAMES PACK 5 disks £5.99
SPECTRUM GAMES PACK 5 disks £5.99
 ASI Games 1-156 The best games collection
 LSD Legal Tools 1-150 The best utilities collection
CATALOGUE DISK £1.00 4500 Titles in stock
FRED FISH 1-930 Fish catalogue £1.25

HOW TO ORDER

Please make cheques with bankers card number or postal
 orders payable to "ORION PD". All orders despatched
 1st class same day + A500/A600 compatible
 * = Only WB2/3 compatible Y = A1200 Compatible
PLEASE STATE MACHINE WHEN ORDERING

PRICES
 1-10 DISKS£1.25
 11-25 DISKS99p
 26+ DISKS89p

POSTAGE
 UK ORDERS75p
 EUROPE£2.00
 WORLD£4.00

Dept CU5
14 OUSTON CLOSE
WARDLEY
GATESHEAD
TYNE & WEAR
NE10 8DZ
Tel: 091-4385021

UTILITIES

U001 Electro Cad +
 U003 M-Cad + Y
 U004 D-Copy 3.1 + Y
 U005 Messey Sid II + Y
 U008 Label Designer +
 U009 Land Builder + Y
 U011 Opti Utilities II + Y
 U015 Disk Salvage +
 U016 Red Devils Uti +
 U019 Super Killers +
 U020 Printer Utilities + Y
 U027 World Databank +
 U028 A64 Emulator (2) +
 U030 Label Print +
 U031 Cross 3.1 + Y
 U032 Sid II + Y
 U033 Print Studio 1.25 + Y
 U039 Gelignite Fonts 2 + Y
 U040 Amibase Pro 2 + Y
 U042 Typing Tutor + Y
 U043 D-Copy 3
 U044 Cassette Labeller +
 U055 HD Click 2.53 + Y
 U064 SuperDuper 3.0 + Y
 U071 Icons 1 + Y
 U072 Free Paint +
 U073 Gelignite Fonts 3 +
 U074 Multiplayer +
 U079 Icon Editor 4.0 +
 U083 Cartoon Brushes + Y
 U086 Free Copy 1.8 + Y
 U088 Spectrum Emu 1.7 + Y
 U089 Text Engine 4.1 + Y
 U092 Pools Tools 2 + Y
 U099 Business Card +
 U100 Amiga Tutorial + Y
 U103 Animation Studio +
 U108 Filefax + Y
 U115 Emulators 1 +
 U117 600 Business letters +
 U120 Magnetic Pages + Y
 U123 North C + Y
 U124 A/Gene 4.18 + Y
 U138 Forms Unlimited + Y
 U139 PC Task 2.03 + Y
 U140 Animated requesters +
 U149 Amiback 2.2 + Y
 U154 ReOrg 3.11 + Y
 U157 Zoom + Y archiver
 U159 Disk Print 3.59 + Y
 U161/65 Pro C Manual(5) +
 U167 Canon/Star Drivers +

UTILITIES

U651 Address Print +
 U657 Adventure creator +
 U662 Pictures & Letters +
 U669 Football league editor
 U673 Magnum 1.9 + Y
 U676 Account Master +
 U677 SKick* emulate A500
 U678 D-Point Tutorial +
 U679 Hard Disk Uti 2 + Y
 U680 Amiga World 2.0 + Y
 U681 FakeFast +
 U682 Quadra Composer +
 U685 ASI games fix disk +
 U686 Genealogist 3.04 +
 U689 Mr. Backup 1.14b + Y
 U691 Kill AGA 2.0 +
 U692 LSD copiers
 U697/98 Tool Mgr 2.1*(2)
 U713 Asi crunch & copy 2
 U718 Astronomy 1 + Y
 U727 HD Installer +
 U730 Disk salvage 2 +
 U737 Cheat list + Y
 U738 Planetaryrator + Y
 U749 Print Manager +
 U753 Dynamite Fonts 2 + Y
 U754 EDWord Pro 4.0 + Y
 U755 Dart Machine +
 U756 Lockpick 2 + Y
 U757 Print a card +
 U758 Pools Wizard + Y
 U759 Virus Protection +
 U762 A1200 classic fixes1*
 U763 A1200 classic fixes2*
 U764 Back to school 1 + Y
 U765 Back to school 2 + Y
 U766 Music Rippers +
 U771 Numpad A600 only
 U772 Flashing Bytes Uti 3 +
 U773 Dream Paint + Y
 U796 Video production 3 +
 U797 Action replay 4 A1200
 U822 Easy Calc Plus +
 U823 Engineers Kit + Y
 U824 Star View + Y
 U825 Disk Manager III + Y
 U827 Magic Menu 1.27 + Y
 U829 Viewtek 1.05 +
 U830 New HP Drivers + Y
 U831 Banner 1.4 + Y
 U834 Backup * HD Uti
 U837 Logicshop + test cets
 U840 Backdrops 1.0 +
 U841 Videotiler 1.1 + Y

UTILITIES

U844 ABCDir 3 +
 U845 SnooDor 2.0 +
 U846 MSM * Sys Monitor
 U848 AmigaBase 1.31 + Y
 U849 Mod Player + Y
 U850 Safe Copy + Y
 U851 Nocom 3.0 +
 U854 X-Kopia +
 U907 The little traveller + Y
 U908 Wine making uti + Y
 U968 Font farm 3 + Y
 U976 Copiers unlimited +
 U982 Musicbase +
 U997/99 Isonplus(3) + Y
 U1004 Highway code +
 U1014 OctaMed tutor + Y
 U1015 Magic W/B + Y
 U1016 Rush + Y Dir utility
 U1017 Ambush + Y
 U1018 Astro 22 v3.5
 U1022 Dividend winner + Y
 U1023 ARexx guide + Y
 U1024/25 A1200 Uti (2)
 U1026 ASI Video titles +
 U1027 Relokick 1.4 A1200
 U1029 ASI Fix disk 2 +
 U1030 Maverick copier +
 U1031 Mega monitor +
 U1032 ASI audio magic5 +
 U1033 ASI W/B Tools +
 U1034 ASI Multivision4 +
 U1038 Gelignite fonts 4 + Y
 U1039/41 MultivisionAGA
 U1040/41 Audiomagic6 + Y

UTILITIES

G114 Dr. Mario + Y
 G115 Soccer Card + Y
 G119 Battle Cars 2 +
 G120 Growth + Y
 G129 Tetra + Y
 G187 Total War + Y
 G188 No Mans Land +
 G192 New Card Games + Y
 G194 Fruit Machine 3 + Y
 G204 Tennis +
 G220 Brut +
 G225 Empire +
 G236 Stock market game +
 G245 Return to Earth + Y
 G257 Chess Tutor + Y
 G258 Ethos + Y Adv
 G263 Airmanis + Y
 G274 Survivor + Adv
 G298 Sat + Puzzle game
 G300 Cricket 1 + Y
 G303 Escape + Y
 G306 Dominos + Y
 G307 Trail Blazer + Y
 G308 Games Gallore 11 +
 G310 Airport + Y
 G312 Roulette + Y
 G316 Games Gallore 12 +
 G317 Klaktris + Y
 G320 Turbo Thrust + Y
 G322/23 Olempiad + (2)
 G327 Games Gallore 13 +
 G328 Mind Games + Y
 G334 War + Y
 G335 E-Type 2 + Y
 G341 Battle star + Y Adv
 G342 Delux Pacman 1.4 + Y
 G343 Poker + Y
 G345 Monopoly 2 +
 G346 Shuffle Run + Y
 G347 Tank Hunter + Y
 G348/350 Netback + (3)
 G351 Asteroids 2 + Y
 G353 Top Secret +
 G354 Tetris AGA +
 G355 Bomb Jack + Y
 G356 Fighting Warriors + Y
 G357 Crazy Sue 2 + Y
 G358 Solitaire Golf + Y
 G359 Tetris Pro + Y
 G360 Turbo Thrust + Y
 G361 Mad Bomber 2 + Y
 G362 Wibble world giddy +
 G365 Star Wars
 G366 Battleships
 G367 Boulderdash +

UTILITIES

G368 Crazy Pipes 2 + Y
 G369 Fruit Panic + Y
 G370 Volly Ball + Y
 G371 Fruit Machine 4 + Y
 G372 Rubik Puzzle + Y
 G373 Aztec Challenge +
 G374 Premier Pies + Y
 G375 Monaco + Y
 G376 Desert Defender + Y
 G377 Space Rescue + Y
 G381 Army Miner + Y
 G382/83 18th Hole (2) + Y
 G384 Artillerus + Y
 G385/87 Star Trek 3 (3) +
 G388/89 Neighbours (2) +
 G390 Scramble + Y
 G391 The winning post + Y
 G392 Beetle + Y
 G393 Numtris + Y
 G394 Bop a Plop + Y
 G395 Spectrum games + Y
 G396/98 Klondike AGA +
 G400 Klawz + Y
 G401 Micro Market 1.2 + Y
 G404 Dinowarp + Y
 G405 Road to Hell + Y
 G407 Slime Game + Y
 G408 Fatal Mission 2 + Y
 G409/10 Mr Men Olympics
 G411 3D Games 2 + Y
 G447 System defender +
 G449 Games galore 14 +
 G450 Games galore 15 +
 G462 Mexican massacre +
 G467 Skidmarks +
 G468 Grand prix manager +
 G470 Firefly + Y
 G471 Bonedmine + Y
 G473/74 Starbase 13 (2) +
 G480 Popeye + Y
 G482 Space invasion +
 G484 Reversi 2 +
 G492/93 M/ invaders AGA
 G503 Excellent cards + Y
 G504 Megaball AGA
 G505 Gyves tetris + Y
 G506 Fruit Machine 5 + Y
 G507 Boulderdash 2 + Y
 G508 Exit 13 + Y
 G509 Wackman + Y
 G510 Digger + Y
 G511 Karate champ + Y
 G512 Pipeline 3 + Y
 G513 Backgammon + Y

SPECIAL PACKS

BUSINESS PACK 1 5 DISKS £5.99
 Text Engine 4.1, Amibase Pro2, Amiga Fox DTP, Budget
 Home Accounts, Addresser, Typing Tutor, Business Card
 Spell Checker, Filefax, superduper 3.0, World Time.
BUSINESS PACK 2 5 DISKS £5.99
 Forms Unlimited, messy Sid II, Textplus 3.0, Spread,
 Smart Icon, Super Spell, HyperCat, 600 Business Letters,
 Flexibase, PC-Task 2.03, Label Print, Print Studio.
ADORE TYPE 1 FONTS 5 DISKS £5.99
 Type 1 Fonts are compatible with Pagestream 2.1+, The
 Publisher, Final Copy 2 rel2, Final Writer.
PACK 1.....5 DISKS £5.99 92 TYPE 1 FONTS
PACK 2.....5 DISKS £5.99 78 TYPE 1 FONTS
PACK 3.....5 DISKS £5.99 74 TYPE 1 FONTS
PACK 4.....5 DISKS £5.99 78 TYPE 1 FONTS
SCALABLE FONTS 5 DISKS £5.99
 Scalable Fonts are compatible with ProPage 3.0/4.0,
 Pagesetter 3.0.
PACK 1.....5 DISKS £5.99 90 Scalable Fonts
PACK 2.....5 DISKS £5.99 76 Scalable Fonts
PACK 3.....5 DISKS £5.99 71 Scalable Fonts
PACK 4.....5 DISKS £5.99 76 Scalable Fonts
BITMAPIED CLIPART 5 DISKS £5.99
 Compatible with any program that can import IFF images
PACK 1.....5 DISKS £5.99 Mixed Subjects
PACK 2.....5 DISKS £5.99 Mixed Subjects
PACK 3.....5 DISKS £5.99 Mixed Subjects
PACK 4.....5 DISKS £5.99 Mixed Subjects
HIGH QUALITY IFF CLIPART 5 DISKS £5.99
 300-600 dpi images with superb quality printouts.
PACK 1.....5 DISKS £5.99 Mixed Subjects
PACK 2.....5 DISKS £5.99 Mixed Subjects
PACK 3.....5 DISKS £5.99 Mixed Subjects
PACK 4.....5 DISKS £5.99 Mixed Subjects
SOUND SAMPLES 5 DISKS £5.99
 Hundreds of samples for Protracker, Mod, OctaMed etc
PACK 1.....5 DISKS £5.99 High Quality samples
PACK 2.....5 DISKS £5.99 High Quality samples
MUSIC PACK 5 DISKS £5.99
 Superb introduction to music, contains a music editor
 plus modules, music player, rippers and sound sampler.
FRactal GENERATORS PACK 5 DISKS £5.99
 Best of fractal generators all in one pack, FractalLab,
 Mandelmountains, FCS, FFEX, GENESIS, Maptrix etc.
ASTRONOMY PACK 5 DISKS £5.99
 Great collection, Starview, Astro 22, Gravity, Planets,
 Star chart, Amigazer, Luna, Moonool, Planetaryrium etc.
D-PAINT FONTS PACK 5 DISKS £5.99
 Hundreds of new fonts in different sizes, great value.
D-PAINT 16 COLOUR FONTS 5 DISKS £5.99
 Some superb fonts for D-Point, exceptional quality.
 3 packs available, each pack consists of 5 disks @ £5.99

ART GALLERY

Hello luvvies, welcome to the gallery - your chance to shine or get slated as the case may be.

GARFIELD

by Philip Nelson, Co Derry, Northern Ireland.



1 Garfield was drawn using *Photon Paint V2*. First, the background colour was created and then the eyes and cheeks were drawn in. Next, the eyes were flipped horizontally.



2 Then the body was drawn in, starting with the shoulder straps, moving onto the arms and leaving the hands to last.



3 Next, he drew the legs and the feet and horizontally flipped the left foot.



4 Most of the colours were filled in using the fill tool and freehand tool. The whiskers were added, followed by the parachute and hands.



5 Finally, using the blend command, some shading was added.

JEAN MICHEL JARRE OXYGENE



JEAN MICHEL JARRE

This picture was created by David Swainsbury, Dagenham, Essex. It was produced in *Deluxe Paint III* in low resolution with 64 colours.



HUBBLE

by Kevin Waler, Surbiton, Surrey.

C&D

by Donald B Hannam, Horley, Surrey.





CATASTROPHE CORNER

Hmm... a rather interesting piece of work – it portrays the angst of modern man and his everyday struggle to find health, wealth and love. Or maybe not – perhaps this was drawn by a egotistical maniac after consuming too many fizzy drinks and chocolate. This would have been acceptable, if done by a five year old, however the culprit is actually 49 and a half. Oh dear.

MEDUSA

by Engels Hans, Antwerp, Belgium.

1 The eye is drawn freehand with some help from the magnify option.



3 After finishing both the eye and the mouth, the eye was turned horizontally on the other side.



5 A few small details later and it's the finished product.

2 The mouth is added using freehand.



4 A few details were added to get rid of the symmetrical look. Next, a couple of finishing touches to the hair and the face.

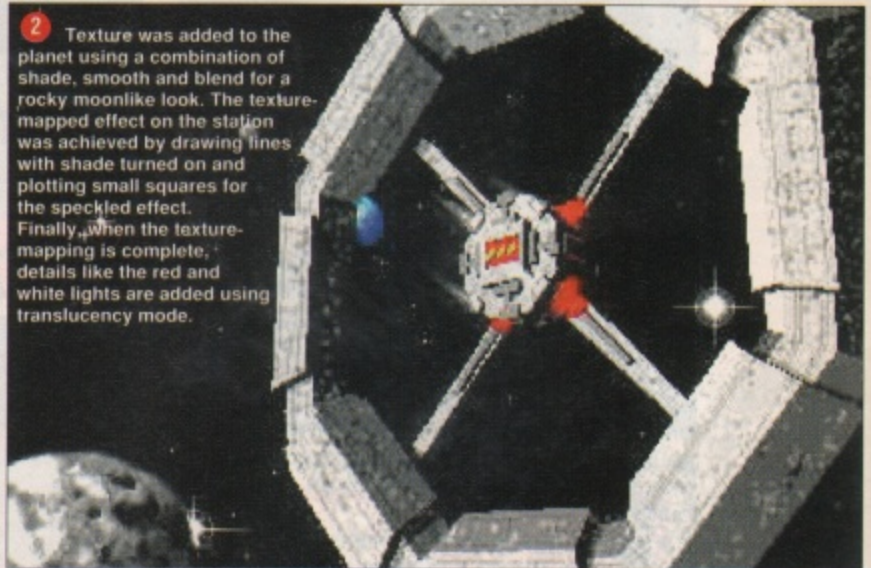
THE BIG STATION AT KHERNE

by James Willmot, Christchurch, New Zealand.

1 The basic form is designed using *Sculpt Animate 4D Junior*. The image is saved into *DPaint IV*. As a backdrop, a few stars are added using air-brush in cycle mode. The larger stars are hand drawn and the partial circle in the bottom-left corner is the beginning of a planet.



2 Texture was added to the planet using a combination of shade, smooth and blend for a rocky moonlike look. The texture-mapped effect on the station was achieved by drawing lines with shade turned on and plotting small squares for the speckled effect. Finally, when the texture-mapping is complete, details like the red and white lights are added using translucency mode.



FACE

by Derek Healsey, Dublin, Ireland.

1 The outline is drawn in low-res and then the file format is changed to hi-res without stretching the image.



2 Next, the outline of the face and the chin were modified and the hair style was then completed.



3 Shadows were added to give it a 3D effect. Then the neck and body were also shaded in and finally a border was added all around the picture.

CU AMIGA SPECIAL

Welcome to our new look readers' offers. This month sees the launch of our new upgrades for the Amiga A1200.

Unlike some A1200 upgrades, ours are fully PCMCIA compatible. Designed and built in the UK exclusively for CU Amiga - never has it been so affordable to upgrade an A1200 with more memory on a board also capable of adding a 68882 floating point maths co-processor at speeds of up to 50MHz.

How can we be so cheap? Well, thanks to the huge success of our campaign to upgrade all Amigas to a minimum of 1Mb, we have exceptional buying power. Also, because so many of our readers buy upgrades we can use the very latest manufacturing technology to produce our upgrades - and hence give you exceptional value.

So why upgrade your memory? Probably because a memory upgrade is the most versatile enhancement you can make to your Amiga. Apart from the fact that you need it to run the more powerful Amiga software there are many extra benefits too. You can use some of it as a RAM disk, just like a super-fast extra floppy drive. This means you can avoid the cost of a second floppy drive or hard disk. Some software that claims to need a hard disk will run on your Amiga from a RAM disk. A print spooler can save you time waiting for your printer to finish printing before you get on with your work, use your new RAM instead of upgrading your printer or buying an expensive buffer.

For reasons best known to themselves, Commodore 'forgot' a realtime clock for the A1200. Well, we've put it back with our new UK made A1200 clock for just £12.99. Getting more from your Amiga means at least 1Mb, getting the best means adding as much RAM as you can is the essential Amiga upgrade!

M O U S E



ONLY

£9.99

A superb replacement Amiga mouse.

The CU Amiga mouse is a major enhancement because it uses micro switches for the buttons. Our mouse also has a much higher resolution - 280 dots per inch which means you need much less desk space and you get a much finer control.

M E M O R Y

AMIGA A500



UPGRADE TO 1MB

UPGRADE WITH CLOCK

WITHOUT
CLOCK

£14.50

WITH
CLOCK

£17.99

AMIGA A500+



UPGRADE TO 1.5 MB

UPGRADE TO 2 MB

WITHOUT
CLOCK

£15.99

WITHOUT
CLOCK

£22.99

S C A N N E R T R A Y

Do you own a hand scanner?



ONLY £54.99

Are you fed up with poor quality scanning?

Our brand new Scanner Tray will improve your results no end

Simply place over the image and clip the scanner into it and it will act as a guide eliminating that hand wobbling. This amazing invention is not available anywhere else. Plus, it will help eradicate that wasted time correcting mistakes in scanned text with our **OCR software**. It's a pain scanning pages of text only to find that they're littered with spelling mistakes. This software package will clean up those errors before this even happens.

12 GOOD REASONS TO BUY FROM CU AMIGA

All the products offered by CU AMIGA have been carefully selected as being the best in their class. But top quality does not mean top price. Thanks to our huge buying power, we can deliver to our readers the best products at the best prices.

- ☞ All memory boards are populated with memory.
- ☞ All memory boards are individually tested.
- ☞ Support from a top engineer is just a phone call away.
- ☞ Prices include VAT, Postage and Packing, the

price you see is the price you pay.

- ☞ No minimum order and no credit card surcharges.
- ☞ Memory upgrades carry an exceptional five-year warranty.
- ☞ 28 day no-quibble money back guarantee.
- ☞ We are here until 8pm every day during the week.
- ☞ 24 hour order hotline.
- ☞ Because we only sell a few items, your order will normally be supplied straight from our stocks.
- ☞ Your credit or debit card will not be processed if the item you order is not in stock.
- ☞ Experienced sales staff are on hand for when you order or if you need advice before placing an order.

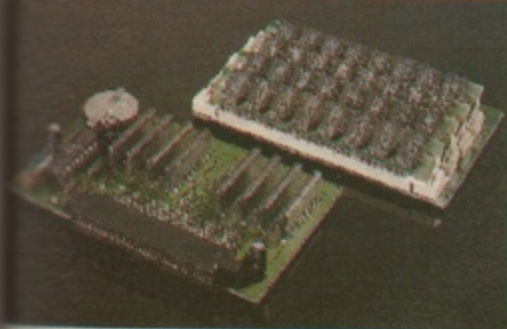
OFFERS

FREE!
68882 MATH CO-PROCESSOR
 WITH A1200 UPGRADE
 TO FIRST 25 TELEPHONE
 ORDERS ONLY



U P G R A D E S

AMIGA A600



UPGRADE TO 2 MB

UPGRADE TO 2 MB

£24.99

£39.99

FREE DISK

Each Memory upgrade comes with a FREE DISK including **Memory Test Software**, making sure that you make the very best of your new Amiga memory upgrade.

ORDER HOTLINE

0480 891171

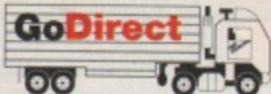


Lines are manned from **Monday to Friday 10am to 8pm** and on **Saturday 10am to 4pm**.

If you call outside these hours you can place an order by answer phone - just give the information on the order form in the order it appears. You might find it easier to complete the order form before calling so that you can read directly from it.

Please allow 28 days for delivery from when we receive your order. For non receipt of goods phone 0480 891171 Monday to Friday between 10am and 6pm.

DON'T FORGET...
FREE DELIVERY!



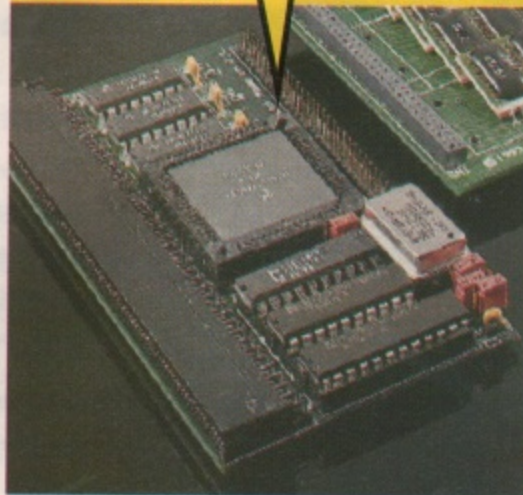
GoDirect

CU AMIGA - GO DIRECT

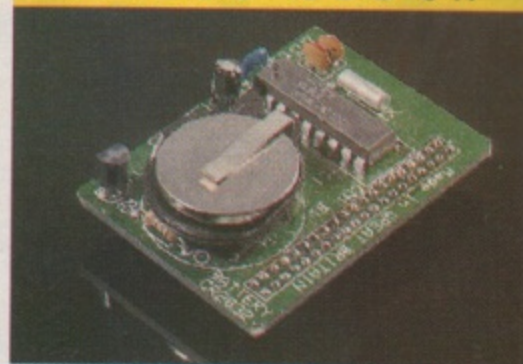
VINEGAR HILL, ALCONBURY WESTON,
 HUNTINGDON, CAMBS PE17 5JA

AMIGA - THE SAFER WAY TO BUY FOR YOUR AMIGA!
 administered solely through GO DIRECT. Enquiries should be directed to the above address, tel: 0480 891 171, not CU AMIGA's office.

AMIGA A1200



A1200 CLOCK

UPGRADE TO 4 MB PLUS
 FREE MATH CO-PROCESSOR

CLOCK MODULE

£149.00

£12.99

**NO PRICE CHANGES DUE TO
 CURRENT MEMORY SHORTAGE.
 THESE ARE TODAY'S PRICES ~
 WHAT YOU SEE IS WHAT YOU PAY!**

Thanks to the massive buying power of **CU AMIGA** we can offer our readers the cheapest high quality Amiga memory upgrades and other essential add-ons for your Amiga!

PRIORITY ORDER FORM

Order by telephone by calling **0480 891171 Mon to Fri 10am to 8pm / Sat 10am to 4pm**. There's an answering machine to take your orders at all other times. If you place your order on the machine, leave the exact details in the order they appear on this form.

1. ORDER ITEMS (✓)

- ☐ A500 upgrade to 1Mb£14.50
- ☐ A500 upgrade to 1Mb
 including clock£17.99
- ☐ A500+ upgrade to 1.5Mb£15.99
- ☐ A500+ upgrade to 2Mb£22.99
- ☐ A600 upgrade to 2Mb£24.99
- ☐ A600 upgrade to 2Mb
 including clock£34.99
- ☐ A1200 upgrade to 4Mb£149.00
- ☐ A1200 upgrade to 4Mb
 with 25 MHz 68882£179.00
- ☐ Clock Module£12.99
- ☐ Scanner Tray£54.99
- ☐ OCR Software£99.00

2. CUSTOMER DETAILS

Name _____
 (This should be the name written on the Cheque or Credit Card if payment by this method).

Telephone No: () _____

3. PAYMENT DETAILS (✓)

Credit Card

☒ ☐ ☐ ☐ ☐

Card Number

Switch Issue No _____

To expiry ____/____/____

Cheque (✓) ☐ Postal Order (✓) ☐

Note: Cheques payable to **GO DIRECT LTD.**

Signature _____

4. DELIVERY DETAILS

Delivery Address _____

Postcode _____

All titles are compatible with all Amiga (Unless stated)

99p
per disk

We also stock:

FRED-FISH	1-890
T-BAGS	1-57
L.S.D. docS	1-45
* SCOPEs	1-220
ASSASSIN	1-14

GlamourS etc.

* Please order a disk catalogue

Font

- F001 +FS Font (1-5)
- F015 +Deluxe Paint Font 1
- F016 +Deluxe Paint Font 2
- F017 +Deluxe Paint Font 3
- F018 +Deluxe Paint Font 4
- F020 +Hak Font (3)
- F023 +Computer Eye Font 1
- F024 +Computer Eye Font 2
- F025 +Fancy Font Volume 1
- F040 +Olgi Font Volume 1
- F045 +Mega Font Volume 1
- F050 +PS Logo Font (1-9)
- F050 +C.G. Font (1-7)
- F070 +Pagestream Font (1-6)

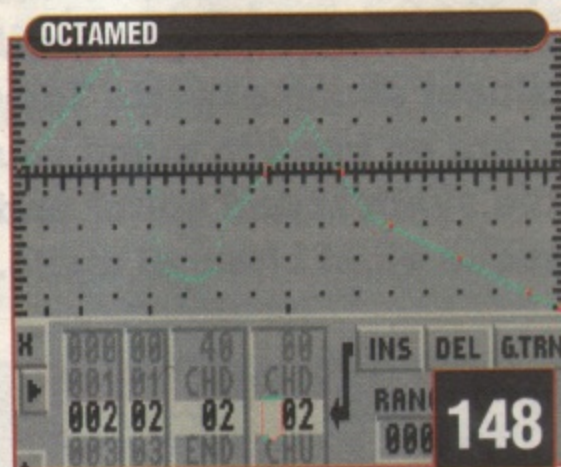
AMIGA Workshop



ISSUE 18 JUNE

Oh no, you've waited all month for CU AMIGA and no sooner does it come than it's gone again! Just another couple of pages and you'll be at the end of another issue! But worry not dear reader, you've still got Workshop to get through and what a packed little section it is too!

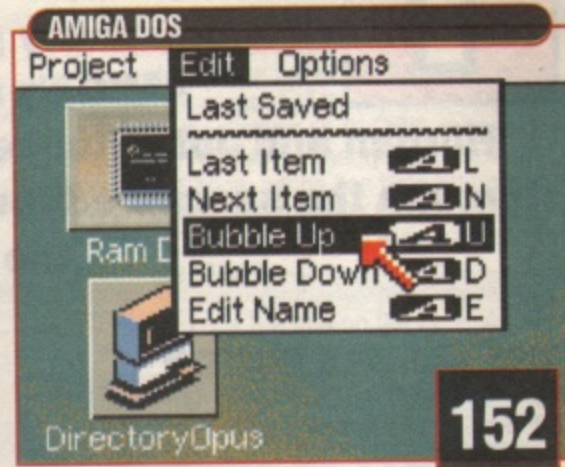
Over the next few pages we cover Comms, programming, questions and answers, your letters and even throw in the opinion of one of the oldest, sorry, wisest journalists in the business. So don't let me hold you up, delve in there and find the answers to your most pressing problems. And remember, even though you are nearly at the end of this issue, there'll be another one along shortly!



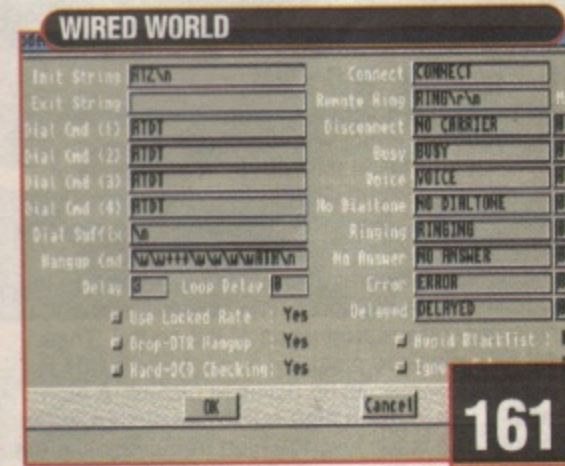
Not only do we give you ultimate programs on our cover disks, but we also show you how to use them. Is there no end to our generosity? Apparently not. Sit tight and fasten your headphones as DJ Horgan and the UnDead Kennedy guide you through the sample editor, synth sound editor and the unique eight channel mode - gosh!



Well looky here: one of those strange marketing-type things, yep, a reader survey. Yeah, I know at first glance it appears boring, but fill it in and discover a whole new world. Okay okay, I jest, but if you fill it in and send it back pronto you could win one of fifty joysticks.



Are you fed up taking hours to do something when you know that with a little more technology it would only take minutes? Do you want to reduce the amount of time you spend doing things? If so, take the plunge and bag some hints from man John Kennedy as he unveils the secrets of AmigaDOS - can it get more exciting we ask?



In response to your requests CU AMIGA brings you an all new, improved and brighter Comms page. This month we've doubled our efforts for Comms users. Our very own net racer John Kennedy checks out some echos on FidoNet, whilst Graham Mason takes NComm 3 for a spin.

Regulars

166 QUESTIONS AND ANSWERS

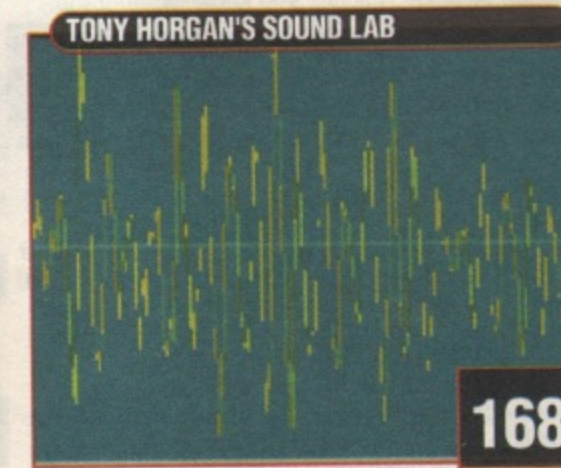
Got a problem? Then our two wonderkids John and Andy are here to answer your techie problems in a beautifully prosaic way. If you can't understand a byte from a bit then you need John and Andy!

174 BACKCHAT

Have you seen this month's letters - what a carry on! Yes, if you thought *Carry-On* films were only suitable for channel four, wait 'till you read page 174! Look, it was all Alan's idea, so blame him!

178 POINTS OF VIEW

This month we let Steve Keen get a word in, not that he needs a chance. Steve looks at the new consoles supposedly coming out and contemplates what we can expect from the CD32 in future.



Boing, bing, tra la la de la, bop, fuzz. Yes, more strange and wonderful sounds can once again be heard as Tony 'I'll have it for you next week Lisa, honest' Horgan shows us what real music is all about. This month, Tony looks at samplers that can be used in conjunction with OctaMED.



In space no one can hear you you scream. Unless of course you program in *Blitz Basic*, in which case you can do what you want with the the alien, or even aliens (how about aliens?). This month, Daniel O'Connor explains how to control more than two aliens on screen at once.

OCTAMED 4 TUTORIAL

PART 1

Last month we gave away the amazing *OctaMED* 4. This month we continue the step-by-step comprehensive tutorial to this massively powerful music program. CU AMIGA's resident sound experts Tony Horgan and John Kennedy are on hand to guide you through the sample editor, the synth sound editor and the unique eight channel mode.

THE SAMPLE EDITOR

One of the best things about *OctaMED* is the sampler and sample editor section. If you have a sampler that connects to the parallel port of your Amiga, you can use this with *OctaMED* to grab any sound when it suits you.

As the sampler section is built into *OctaMED*, there's no need to quit out and load up a separate piece of sampling software. To enter the sampler section all you have to do is click on the SMPED button which is near the top right corner of the screen.

SAMPLE RATES

Before you start sampling, you need to know about sample rates. When a sound is recorded, the computer takes thousands of snapshots of the incoming sound wave. When the sound is played back, these snapshots are strung together to form one flowing sound wave. The rate at which these snapshots are taken is known as the sample rate. A higher sample rate will give a more accurate reproduction of the sound. Think of it as a digitised picture – a low sample rate is akin to a low-resolution digitised picture. A high sample rate is like a high resolution picture. If the sample rate is too low, the high frequencies in the sound will become distorted, and there's likely to be a ringing overtone to the whole sound. The advantage of a low sample rate, however, is that it will use less memory.

Instead of using kilohertz to define sample rates, *OctaMED* uses a measurement called a period. The period value is lower for higher sample rates, and higher for low sample rates. When *OctaMED* first loads up, its default period setting is 428. This is no good unless you desperately want really scratchy samples, so you'll need to change it. What you change it to depends on what you're sampling.

SAMPLING A SOUND

You'll need to be connected to a sampler cartridge to be able to record your own samples. Most varieties are compatible. Press F2 to change the selected octaves to 2 and 3. Now find the Pitch and Destination boxes on the far right of the sample editor window. Move the mouse pointer so that it's over the upper of the two boxes that currently read C-2 (see above).

Hold down the left mouse button, and press Q on the keyboard. This should change the value 428 in the adjacent box to 214. If nothing happens, press F2 to make sure that you have the

PITCH	214	C-3
DEST	428	C-2
CHANGE RATE		

correct octaves selected, and try again. If you're going to sample something that contains high frequencies, such as a drum loop with cymbals, or a vocal that includes "S" or "T" sounds, change the rate to 170 or less by pressing the E key instead of Q when you click in the Pitch box. Otherwise, you'll find the sample is a bit scratchy.

Click on the INSTR button, then click in the long box that appears at the top of the screen. Type in whatever you want to call the sound that you're about to sample, and press return.

Next, you need to set the size of the sample you're about to record. This is measured in bytes. For now, set the sample size to 80,000 bytes (80K). This will give about five seconds of sampling time at the sample rate you just set (214). To set the size of the sample, click in the box marked BUFFSIZE, found on the far left of the sample editor panel. Type in 80000 and press return (bearing in mind that there's already a zero in the box, so you only need to enter 4 zeros. You now have a blank space to sample into.

Now you need to get a good sound level coming into the sampler. Click the MONITOR button from the sampler panel, and the blank slot in the middle of the screen should turn to an oscilloscope display. This lets you know whether the

BUFFSIZE:	80000	PLAY DISPLAY
INSTART:	0	SHOW RANGE
ANGEND:	0	ZOOM IN

incoming sound is too loud or quiet. Connect your sampler to your sound source, and start the source playing. If you don't see a sound wave moving around in the middle box, check your connections and try turning up the volume at your source. Once you've got a signal coming through, watch the wave and see whether it's flattening out at the top and bottom. If so, reduce the volume so that the loudest part of the sound just touches the top and bottom of the box very briefly. If the wave doesn't move far from the central line, then turn the volume up. Look at the examples on the page if all that doesn't make any sense at all.

When the levels are correct, click the MONITOR button to exit monitor mode, and then click the RECORD button. The oscilloscope will come

This is the opt

0001/0001 000/000 23 E SP CHRD

This is too quic

0001/0001 000/000 23 E SP CHRD

This is too loud and

0001/0001 000/000 23 E SP CHRD

up again, allowing you to cue up your sound. Just before the bit you want to sample, click the left mouse button a second time to start recording. The screen will go black while it concentrates on recording, but will automatically jump back to the sampler screen once it's filled up its allotted 80K of sample space.

EDITING SAMPLES

You now have a sample – hurrah! Press any of the normal keys to play back your sample at different pitches. You can now trim the unwanted parts from the sample.

Use the right mouse button to highlight an area at the start of the sample. If you want to extend the highlighted area (referred to as the range), hold down the shift key when you use the right button.

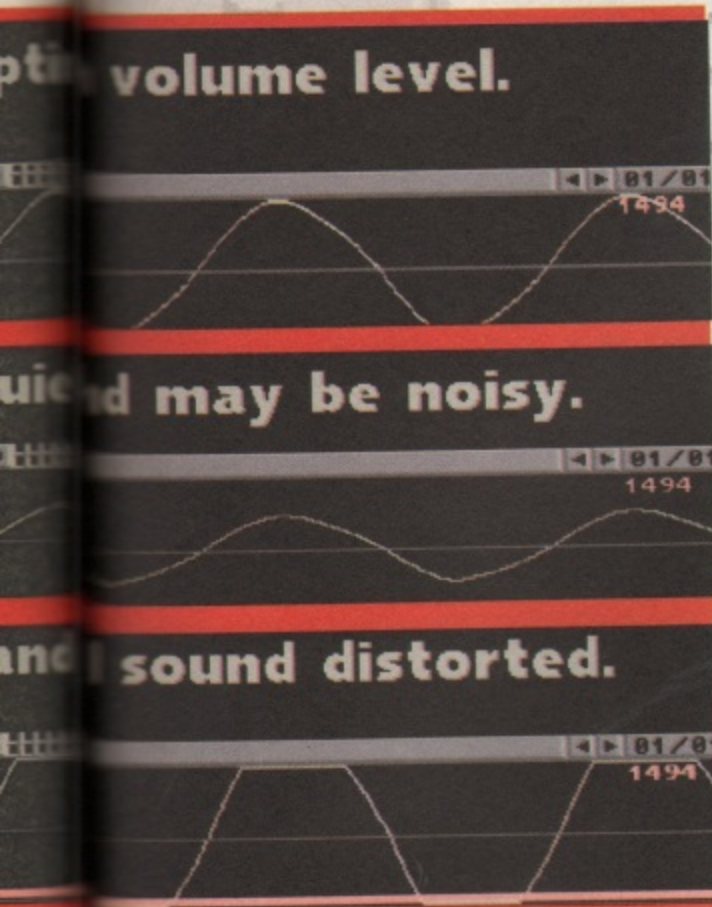
Use the PLAY RANGE button to hear the selected area. Click on SHOW RANGE to magnify this area to the full width of the screen. Locate the parts you don't want, highlight them, listen to them with the PLAY RANGE button, and then click on CUT when you've highlighted to unwanted parts. Use the ZOOM OUT and SHOW ALL buttons to view more of the sample.

PLAY RANGE

TIMER 00:18 + OctaMED		
SAVE FORMAT:	INFO	LOAD SONG
MOD1 (INST)	ICON	SAVE SONG
MOD1 (NO INST)		
MOD2 (OLD)	DIR:	Work: Sampl
ST-MODULE	FILE:	My sample

SAVING A SAMPLE

To save out your sample to disk, click on the FILES button. Wait for the drive light to go out, and insert a formatted disk in the internal drive. Click on DF0: in the devices list on the right of the screen. Click in the FILE box and type in a name



for the sample and press return. Click the SAVE INSTR button to save the sample.

SAMPLER EFFECTS

There are a number of effects you can use from the sample editor to improve the sound quality and spice up your samples. All of the effects buttons work on the highlighted range of the sample, leaving the unselected parts as they were.

Sometimes your sample doesn't sound as bright as the original – this is usually due to a loss of treble in the sample. To counter this, highlight the whole sample (or the section you want to affect), and click the BOOST button. You'll hear the difference when

you play the sample again. The two numbers to the right of the button are the settings for the boost and filter controls. Experiment with these for some weird effects. Filtering the sample can cut out a lot of unwanted hiss, and can be especially useful for sampled basses. Use the FILT button to filter the sound. REV turns the sample around, so that it plays in reverse. Cut, copy, paste, delete and clear work as they would in any other package. Anything

that's cut or copied is stored in a temporary buffer, the contents of which are used whenever you use the paste or mix functions.

BOOST 16 1

FILT BOOST 16 1

Echoes can be put on the sample with the ECHO button. This uses the three parameters to define the gaps between each echo, the decay rates, and the number of echoes. A random white noise creator is also included, activated by the NOISE button just left of the echo button. The value to the right of the button is the level of noise, which can be changed by clicking in the box and entering a new value. You can use this to mix in some hissy noise over an existing sample, or just create some pure noise in a blank sample. You

NOISE 20

might want to use the BOOST option to emphasise the noise. This is particularly handy for generating your own drum and cymbal sounds.

Freehand is a useful option that lets you edit the sample wave by actually drawing it on-screen with the mouse. As soon as you click the FREEHAND button, the sample window zooms in close on the sound wave. You can now draw in the sample window by holding down the left mouse button. Try this if you need to remove tiny clicks or pops from a sample.

Just to the right of the freehand button you'll find the CHG VOL button. This stands for Change Volume – can you guess what it does? The first parameter is the volume for the start of the sample (as a percentage of the original volume), and the second is the end volume. This means you can create volume fades by using two different values. The default values are both 200%, which would of

course make the sample twice its original volume. Remember that you can only turn the volume up so far before the sample becomes distorted.

S>CBUFF copies the current sample into the copy buffer. CBUFF>S pastes the contents of the copy buffer into the sample window. DEL CB deletes the copy buffer (can save a little RAM), and R>SY copies the sample into the synth editor. The CHANGE RATE button will re-sample your sound so that it plays back at a different pitch, using the PITCH and DEST(ination) values. OCT up and OCT down will transpose the sample data a whole octave up or down, either doubling or halving the size of the sample in the process.

EIGHT CHANNEL MODE

One of OctaMED's most powerful features is its 8 channel mode. Normally the Amiga can play up to 4 samples simultaneously, but thanks to some very clever programming, OctaMED can play eight. It manages this by mixing eight samples together to make four, which it then pumps out through the normal sound channels. This does come at a cost though – you'll have to make do with reduced sound quality and more approximate tempo control.

To enter eight channel mode click one of the buttons marked 4-8 on the main PLAY panel. If you only want to use five channels, click the five button. There's no point in getting the program to mix eight channels if you're not using them all – on slower Amigas there's a very noticeable loss of speed, which is minimised by selecting fewer channels.

You'll be asked if you want to halve the samples as soon as you enter anything over four channel mode. Press Y for yes. This will halve the volume of all the samples currently have loaded, and will automatically do the same to any samples that are loaded in from now on. If you don't halve the samples, when the channels are mixed, the combined samples will be too loud, and will sound distorted.

In order to use the full eight channels, you'll need to set the number of tracks in each block to eight. Do this by clicking on BLOCK, then on the eight button. The display changes to show all eight tracks at once, which can be a bit hard to see on a TV, but unfortunately there's no way around this. The speed control is now limited to the secondary tempo.

The tempo slider on the left now has no effect, so you need to use the one on the right. A lower value equates to a faster tempo. You'll notice that

the secondary tempo doesn't allow for as fine tweaking as the primary tempo.

If your Amiga has an accelerated processor (68020 or higher) you can use the HQ button to squeeze some extra sound quality (most notably treble response) from the 8 channel mode.

SYNTH SOUNDS

One of the many features which makes OctaMED a rather special sound tracker is its ability to create its own sounds from scratch. Rather than relying on samples (either your own, or those of someone else) it is possible to generate noises completely synthetically. It's like owning a very expensive synthesiser, without the expense!

STAGE ONE

Load up your copy of OctaMED, and select the INSTR edit screen. Enter a good name, and then select the sound type. Ignore any 'Error: object not found' messages when you enter the name. OctaMED can use three types of sound: samples, synth sounds and hybrid sounds, which are a combination of the first two. Click the SYNTH button next to the word TYPE on the instrument panel. Now you need to go to the waveform editing screen, so select SYNTH from the buttons on the far right.

STAGE TWO

There are two oscilloscope displays for you to draw your waves into. The one on the right is for experiments, the one on the left is the main



EXPRESS P.D. Dept Cu Magazine Business Centre

11, Newarke Street, Leicester, LE1 5SS

Tel: (0533) 559711 Fax: (0533) 490118 Mon - Fri 8.30am to 5pm

Express Pd

QUALITY AMIGA PUBLIC DOMAIN AND SHAREWARE SOFTWARE

NEW STUFF

U1217 Text Engine V4.1 (P)(Y) Latest version best got better
 U1152 Octamed V2 (P)(Y) 8 channel sequencer
 A0506 Demon Download (P) (Y) don't worry its only a demo
 P0478 Road To Hell (P)(Y) 2 min over head driving game
 U1183 Copiers Unlimited (WB2+) inc. D Copy v3.1
 U1183 Free Copy 1 Maverick etc.
 U1208 Code Mungus v5.7 (P)(Y) Driving test/tester
 P0509 Star Trek Next Gen. Trivia (P)(Y) Trivia game based on star trek
 U0076 Messyad v2 (P)(Y) Transfer PC files to Amiga disk
 U097 Sid v2 (P)(Y) - forget the ci we this
 U1031 Engineers Kit (P)(Y) Diagnostic Swire SYS info
 U1163 Ming Shu (P)(Y) Chinese Astrological Program
 P0507 Star Wars 13 (2) (P)(Y) graphical adventure game
 U1108 Octamed Sampler (P)(Y) - samples for octamed
 U1222 Octamed Tutor (P)(Y) - help disk
 M042 LSD Jesus On E's (2) (P)(Y) 2 drives req. 27 minutes of stunning graphics and sound please state computer.
 P0502 Necessary Roughness (2) (P)(Y) American football sim
 P0491 Mr. Men Olympics (2) (P)(Y) decathlon game
 Morton Strikes Back!
 Superb platform game with 50 frames per second parallel scrolling more than 60 levels over 9 graphical different worlds. Works on all Amigas! meg required \$4.99
 A0530 Last Stand On Hoth (4) (P)(Y) 3 mag anim.
 U1195 Asl Back To School 1+2 (2) (P)(Y) educational games
 A519 Vanish Monoxide (NP) (NY) released at W.O.C. show
 A576 Hemroids Music Melody (2) (P) great music comp
 A596 Elenium Devious (2) (P)(Y) -very good music disk
 P475 Boulderdash Game
 P359 Top Of The League (P)(Y) football management sim
 U077 Super Super v2.02 (WB2) Excellent disk copier
 P0418 Top 100 PD Games (7) (P)(Y) If you are bored get this pack
 A548 Trojan Techno Tracks II (P)(Y) smashing techno demo
 A570 Tin Misery Demo (P)(Y) very good quality production
 A0072 Odyssey (5) (P)(NY) 25 mins. of space drama, stunning
 P434 Iron Clads (2) (P)(NY) naval battle
 P511 Amos/Loads a Money (P)(Y) Fruit Machine sim
 U0681 Spectrum Emulator v1.7 (P)(Y) works better on (WB2/WB3)
 U0696 Spectrum Data (B) to go with emulator
 U1233 Grapevine Issue 18 (3) (P)(Y) Amiga disk mag

P0505 Kiss The Canvas (P)(Y) huge sprites boxing game preview
 U1231/U1232 No Simpler Utis 1+2 (2) (P)(Y) music utis
 A0589 Spaceballs 9 fingers (2) (P)(Y)
 U0984 Pools Wizard Junior (P)(Y) get this to increase your chance of winning
 G173 Sidermania 1(P)(Y) -slideshow
 U1130 Electronic word (3) old 4 new testament
 U1134 Octastuff music contains tunes
 U1173 Mug Drunkett Sampler 1+2 more sampler
 P500 Junior Maths (P)(Y) simple maths program
 U754 Eye Of The Beholder 2 hint book (2) (P)(Y) help 4 game
 U1037 D-Solve (P)(Y) Crossword creator/solver
 U1000 Superview v2.4 (P)(Y) new slideshow maker inc slides
 A400 4 D BBS Amiga bbs s/ware
 U427 Trans Amiga (3) Amiga bbs s/ware
 U548 C Eyes Dos 2.05 Utis (WB2+) -utis
 Assassins printer disk (P)(Y)
 P445 Kids Paint BBox (P) paint package
 U1101 Zippench (2) (P) WB replacement
 U177 AGA v2 Emulator (P)(NY)
 U333 AGA Data Disk for the C64 Emulator
 P412 Wanko In Wonderland (P) very decent platform game
 U1056 Steelplayer v1 (P)(Y) stand alone player like noise tracker
 U1032 NBA Nes cheat book (P)(Y) full of text cheats
 U1061 Vox samples 1+2 (2) (P)(Y) various samples load through tracker
 P143 Science collection (4) (P)(Y) elements etc.
 U1068 Programmers toolbox (P)(Y)
 U1052 Visual Intensity Mag (P)(Y) Disk magazine
 U1223 Magic WB (P)(Y) Transform your WB
 P515 Slids Mark (P)(Y) demo version of new 4.4 rally game
 A143 Static chaos (P) stunt demo
 A502 May Day Resistance (P)(Y) Techno Techno Techno
 U1068 Dean Crunchers (P)(Y) A-Z of crunchers
 P499 Read & Learn (2) (P)(Y) for kids
 P495 Atom (2) (P)(Y) discovery of the atom read about it
 B011 600 Business Letters & Load through in text
 U944 Numpad A600 only emulator numeric key pad

U1191 Menemaster 3 (P)(Y) provider type a front end for ddrive
 A554 Pymmy Extension Demo (P)(Y) very good demo
 U450 Printer User Pack (4) handy pack full of useful printer tips
 U1230 Casio Communi (P)(Y) allows you to link casio organiser to amiga includes s/ware diagram for cable
 P503 Big Wilul 4 Troll game (P)(Y) platform game
 A593 Jesus On Cheese (NP) Techno rave demo
 P512 Ork Attack (P)(Y) adventure/arcade game
 P513 Operation Firestorm (P)(Y) like green beret, preview
 P504 Excellent Cards + Mancala (P)(Y) -4 new card game
 U1234 CDTV C032 (P)(Y) Link CDTV keyboard for a C032
 U311 PC Task U2.03 = PC emulator
 P0414 Klondike AGA (3) very good card game 256 cols on screen
 P0415 Motorola 2 AGA (2) Invaders game, good sample
 U1132 A1200 WB hacks loads of useful hacks
 U0970 A1200 WB Screens AGA WB screens
 U0959 Sleepies nights
 M0383 Mirage Subliminal xdl (2) rave for A1200 users
 U1006 AGA software includes: AGA test Amigaosic: b0 blank
 Check ap cycle to menu double force VGA gift-datatype
 nk ledge to show rend 24 vl
 AGA Software 2 includes: degrade pallet req, poray
 AGA Software 3 includes: A4091 patch, alert timer bestid
 clouds ham & pep new pop 4, ntc4ntsc patch pointer, gpx
 data type, plasma, smc,
 Team Hoi AGA demo
 Mindwarp planet groove
 Panta Rhei A1200 Demo 3D effects
 Wimble AGA Fractal Generator
 Gige Tetris - Tetris Game
 G0112 Cynostic AGA Slideshow
 U-Chess - 4 Meg chess game
 Magic Slideshow 1 A1200 Sci-Fi Slides
 Chromagic AGA Music Demo
 A0583 New WB3 + Super killers- Virus Killers for A1200
 U128 Nightbreed 3 Slides (2) AGA Slides
 G172 Nightbreed 3 Slides (2) AGA Slides
 B1384 Biomechanoid Symphony 1 Good Music Demo
 A592 Xanadu AGA Explicit 2
 A591 Vivid Abstract Pig AGA Good Demo With overscan Screens
 TMap AGA Require Joystick
 P497 Mental Image Games 1+2 (2) A1200 Compatible games
 A582 French AGA Point of Sale Very Good Demo
 G0148 Ham 8 1 Pics
 G0149 Ham 8 2 Pics
 U1190 RP Prep program Format - Prep your HD, Good For A1200
 U0906 NFA Utis
 P0506 Madfighter AGA PD Version of Streetfighter Clone Choice of 4 Fighters

Volcano AGA
 Scan is Lame (2) AGA
 Channel 2 Issue 1-3 (3) AGA
 ASI Virus Killers
 Yatcy
 ASI Multi Visions AGA
 The Ultimate Quiz
 Mini AGA Slides (2)
 Aesthetica AGA
 Strange (2)
 Access AGA Demo (2)
 Nemesis
 Parbench
 ASI Back To School 3
 Mini Morph V1
 Full Moon AGA
 Kelfrens Interchange AGA
 Origin AGA (2)
 Beyond Belief AGA
 Clairvoyance
 EPU Disk Stacker
 A Trip To Reapbare (2)
 Musically Challenged
 Dragon Compilation
 Dithell in Space
 Lyapuvia
 Re org V3.11
 Super dark V1.5 (WB2+)
 Toado
 Lemon Groovy
 Maxi Life/ Spend Wise
 Procad Electronic V1
 Soldering Disk
 Silicon Journal
 Heliopolis AGA100%
 Professional Bingo
 Scala Background 1+2 (2)
 Neural Assault
 Mean Machine (4) 3.5 +Meg
 A Day At The Races
 Sanity/Arty
 Rayworld AGA (3)

Nova " Sorry" AGA
 Protekt 6 Demo
 Oniform V1.1
 Zam - 4 AGA -Diskmag
 People Clipart (4)
 Symbols Clipart (2)
 Animals Clipart
 Aircraft Clipart
 Kids Disk 3
 Ice Runner
 Depth Charge
 Rink a Drink
 BBC Emulator
 Fast Food AGA
 DreamTrippin
 Relokick V1.4
 Melrose Grabber music Vol.2
 AGA
 Virus Checker V6.34
 Home Budget 1.3
 Portfolio V2.19
 Captain Bonus
 Georg Glaxo (2)
 Sound Collection 1
 Sound Collection 2
 Exotic Ripper V2.14
 Seven Seas 5/5
 Lyaapapuvonia pio 2 AGA
 Amiga Fax V1.34
 To The Death Demo AGA
 Maximum Overdrive (2) AGA
 Marine Demo
 Video Tracker
 Trueprint Demo
 Infinitely 2 Meg Anim
 Space Invaders 2
 Account Master V2.21
 Shad Art Slides AGA (2)
 Swerve AGA
 Artists & Illusions
 High Octane
 A1200 Utilities
 Asi Fix Disk 2

Disk Prices Per Disk
 1-15 disks £1.05 each
 16-24 disks £1.10 each
 25+ disks £1.20 each
 Choose 1 free disk with every 6 ordered
Catalogue disk only
 Disks - 5p
POST-PACKING
 UK 1st CLASS 60p
 RECORDED DELIVERY
 £1.25
 EUROPE £2.50
 ROW £3
ALL STAMPS DONATED TO CHARITY

HOW TO ORDER
 We accept payment by Access/Visa Please make Cheques Postal Orders payable To **EXPRESS PD**
 Overseas orders welcome sent by Airmail payment in sterling please
 Keys= P- 1.3/A554
 Plus/A600 OK
 Y= A1200 OK
 () = No of Disks
 NP Or NY = Will not Load
 100% on A500+ A600 or A1200
 U= Utilities, P= PD Games
 A= demos, M= Music, G= Slideshows

NEW F1 LICENSEWARE

MAGNUM PRO (Disk Mag Creator) £2.99
 CRICKET CRAZY (Advanced Cricket Sim) £1.99
 ABSOLUTE BEGINNERS GUIDE TO AMOS (V2.1) £1.99
 SUPER RUN (Education For 5-9 yrs) £1.99
 F1 MUSIC VOL 1 £1.99
 BLACKBOARD V2 (Disk) AGA2 Driver HD £4.99
 KORTRESS - 2 Meg Chip (Arcade Strategy) £1.99
 F1 MUSIC VOL2 (Disk) £1.99
 THE BARRY DAY DISK (Educational prog 6-8) £1.99
 KARATE MASTER 1.5 Meg (Serious Karate Sim) £1.99
 VP VECTOR BALL DESIGNER £1.99
 THROUGH THE RED DOOR (EDU) £1.99
 TOTS TIME (EDU) £1.99
 ART SCHOOL £1.99
 F1 MUSIC VOL 3 (LOW MUSIC) £1.99
 RELS OF DEEDONE (4 Disks) £5.99
 TOUCH "N" GO (Puzzle Game) £1.99

ALL OUR DISKS
☒ **Guaranteed error free**
☒ **Complete with own labels**
☒ **Virus Free!!**
☒ **24 hours despatch**

ANALOGIC
ANALOGIC
ANALOGIC

Analogic Computers (UK) Ltd
 Unit 6, Ashway Centre,
 Elm Crescent
 Kingston-upon-Thames
 Surrey KT2 6HH

Telephone Mon-Fri 9am-6.30pm
Sat 9am-5.00pm
081-546 9575
Tel/Fax: : 081-541 4671

COMPUTERS AND MONITORS REPAIRS WHILE-U-WAIT!!!

- * **AMIGA A500/A600/A1200 REPAIRS WITHOUT DIAGNOSTIC FEES**
- * **FIXED CHARGES (A500 AND A500+ ONLY)**
- * **FAST TURNAROUND**
- * **MANY COMPUTER REPAIRS DONE WHILE-U-WAIT**
- * **WE PROVIDE PICK-UP SERVICE FOR REPAIRS FOR ONLY £6.00 + VAT**
- * **QUOTATION ON A600/A1200 AND MONITOR REPAIRS**

HEWLETT PACKARD PRINTERS

HP310£229.95
 HP520£249.95
 HP550 C£399.95
 HP560C£499.95

ACCESSORIES

512K RAM A50024.95
 512K RAM A500+24.95
 1MEG RAM A500+44.95
 1MEG RAM + Clock A60054.95
 AMIGA 290 DPI Mouse14.95
 SCART LEAD14.95
 MOUSE MAT4.95
 DUST COVER4.95

SUPER PRO ZIPSTICK14.95
 10 BRANDED BLANK DISKS9.95
 10 UNBRANDED BLANK DISKS5.95
 MODEM CABLE9.95
 PRINTER CABLE9.95
 A1200 RAMPOA
 ACCELERATORSPOA

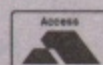
FLOPPY DRIVES

1 Meg 3.5" A500 Internal£44.95
 1 Meg 3.5" A600 Internal£54.95
 1 Meg 3.5" A1200 Internal£54.95

CHIPS AND SPARES

KICKSTART ROM V1.324.95
 KICKSTART ROM V2.0424.95
 KICKSTART ROM V2.0534.95
 ROM SHARER19.95
 A500/A500+ Keyboard49.95
 A600/A1200+ Keyboard69.95
 AMIGA PSU44.95

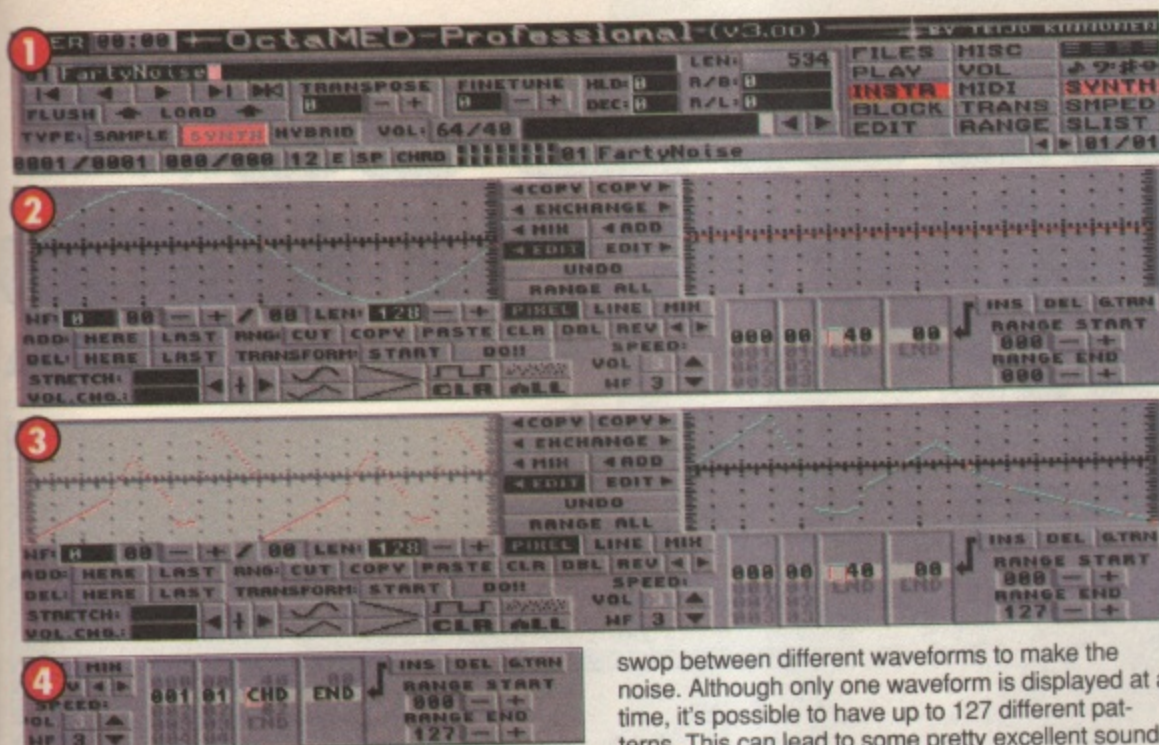
8375 1 MEG FATTER AGNUS24.95
 8375 2 MEG FATTER AGNUS29.95
 PAULA19.95
 GARY11.95
 CIA8.95
 6800014.95
 6570 KEYBOARD CHIP24.95



★ All prices include VAT and **SAME DAY DESPATCH** subject to availability ★ Fixed charge for repair does not include disk drive replacement nor keyboard

★ All prices subject to change without notice ★ We reserve the right to refuse any computer/monitor repair





waveform. You can swop between them at any time, or copy one waveform back and forward between screens for editing. You can also add and mix the waveforms together.

For the moment, make sure the EDIT arrow is pointing to the left, and click on one of the quick-set waveforms (the sine, square, saw, ramp or random wave). The wave should appear on the scope, and if you press the normal *OctaMED* keys you should be able to hear it.

STAGE THREE

You can edit the wave by drawing over it (select the PIXEL, LINE or MIX) buttons to see what difference they make. If you are brave, you can try designing a waveform from scratch. If you select RANGE ALL, the buttons marked DBL and REV will start to have interesting effects (DBL doubles the pitch of the sound, REV reverses the wave). Remember the UNDO button when you get carried away.

Unfortunately, simply squiggling like this is unlikely to produce top-quality results. In fact, you'll probably end up with a pretty unusable farty noise. Time to move onto the next stage...

STAGE FOUR

OctaMED comes with its own programming language to help you control how sounds are made. There are two lists of these special *OctaMED* control instructions over at the bottom righthand side of the screen. The one to the left controls the volume, the the one to the right offers more control over the waveform itself.

The default setting is a volume of '40', which is in hexadecimal. In decimal terms this is '64': the maximum allowable volume. Let's make the volume decay with time.

First press the ESC key to enter edit mode, and use the INS button to create two new lines. Alter the list so it reads 40,CHD,2 (as seen below). To do this, move the small red square cursor to the far left position, and enter 40. Now move to the next line down, and press D on the keyboard, which will enter the CHD command. If you just hear the note play, check that you are in edit mode. Enter 02 into the next line down.

Press ESC again, and then a few keys to trigger the sound. You should find it decreases in a much more musical fashion.

STAGE FIVE

The waveform control instructions are used in the same way. You can add some vibrato with VBR, and also slide the pitch up and down with CHU and CHD. If you enter a number by itself, *OctaMED* will

swop between different waveforms to make the noise. Although only one waveform is displayed at a time, it's possible to have up to 127 different patterns. This can lead to some pretty excellent sounds — filter sweeping is only one possibility.

If you are worried about the prospect of entering all 128 different waveforms by hand, you'll be delighted to learn that *OctaMED* can create them all automatically. You can actually 'morph' between two sounds: all you need to do is supply a start and an end and let *OctaMED* do the rest. Use ADD (on the left of the panel) to create a few new waveform slots, and then click on the Square wave button. Now go back to the first waveform (which should still have the Sine wave) using the plus and minus buttons next to the WF indicator, click START and go back to the last waveform and click DO!. *OctaMED* will morph the waveforms in-between from the Sine to the Square — but you won't be able to hear anything other than the first waveform if you don't alter the settings in the programming table.

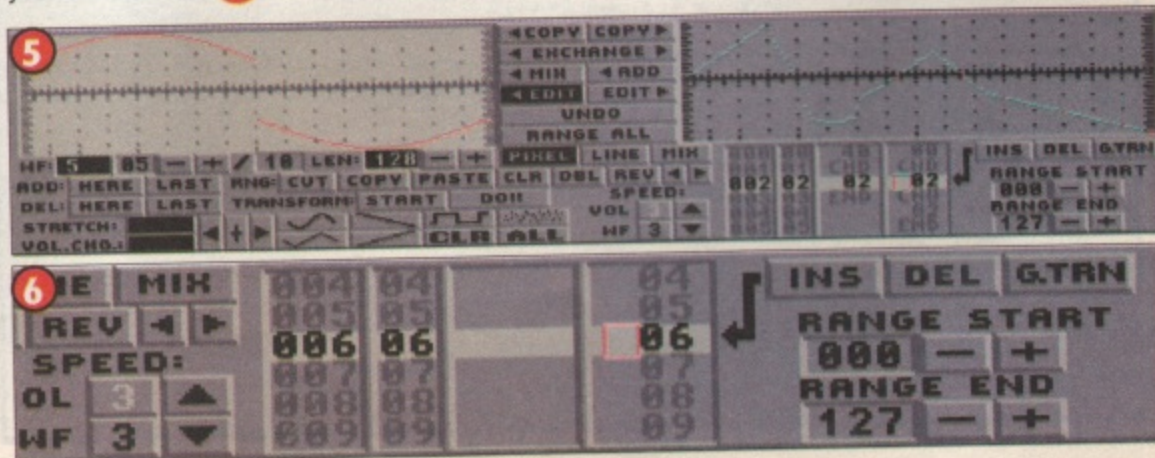
STAGE SIX

You'll see that the default number is 0 in the programming table — which means 'play waveform zero'. If you alter this (remember to hit ESC first if you're not in edit mode) you can play any of the other waves you have created.

However, things start to get really interesting when you add more than one waveform. Use the INS button to add more positions, and then enter 0,1,2,3,4,5,6,7,8 (or whatever your last wave was) and 8,7,6,5,4,3,2,1. When you play this (hit ESC again, first) you'll hear a nicely flanging sound.

There are many advantages to creating your own sounds in this way — not only are you virtually guaranteed a bit of originality, but the sounds you create will use up a lot less RAM than sampled sounds.

See the panel to the right on volume and waveform instructions for further info on creating your own sounds. **CU**



SYNTHSOUND PROGRAMMING

Here is a very handy list of commands for use in the synth sound editor as described in this article. The symbols ?? = a hex number, for example 00, 02 or 2F.

VOLUME INSTRUCTIONS

?? Set Volume

When a hex number from 0 to 40 is used with no command name, this sets the volume to an absolute level.

CHD ?? Change volume down

Press D. The number which appears beneath the CHD command is the rate at which the volume decreases.

CHU ?? Change volume up

Press U. The number which appears beneath the CHU command is the rate at which the volume increases.

JMP ?? Jump

Press J. A JMP will skip to the supplied line number, thus allowing loops. You must ensure there is at least one other instruction in the loop (a WAI even) or the program will lock up.

HLT Halt

Press H. Halt will pause the control list, but a jump can be used to avoid it.

WAI ?? Wait

Press W. This will delay the instructions list for the following number of time cycles.

WAVEFORM INSTRUCTIONS

The list waveform instructions include JMP and HLT, as well as:

?? Set waveform

A number by itself is the waveform to be played.

CHD ?? Change pitch down

Press D. Decrease the pitch at the rate specified.

RES Reset

Press R. Reset the pitch to initial level.

ARP ?? ... ?? ARE Start/end arpeggio definition.

The numbers between the ARP and ARE are the offsets from the bassnote. Try ARP, 0, 3, 5, ARE.

VBD ?? Vibrato depth.

Press V. The degree of vibrato

VBS ?? Vibrato speed.

Press SHIFT V. The rate of vibrato.

NEXT MONTH

OctaMED 4 is also a powerful MIDI sequencer. What's more, it can do all its usual tricks with high quality Amiga samples, and handle MIDI sequencing simultaneously — a feat that absolutely no other program can manage! Next month we'll spill the beans on how to unleash its MIDI power, and investigate some of *OctaMED*'s trickier features. Until then, keep on groovin'.

THE AMIGADOS PROBLEM SOLVER

John Kennedy, the man with the answers, dons his Shell Suit to take another look at making the most of the Amiga's advanced operating system.

Do you want to speed up operations and customise your workbench? Yes, well read on to find out about some handy tricks that can do just that.

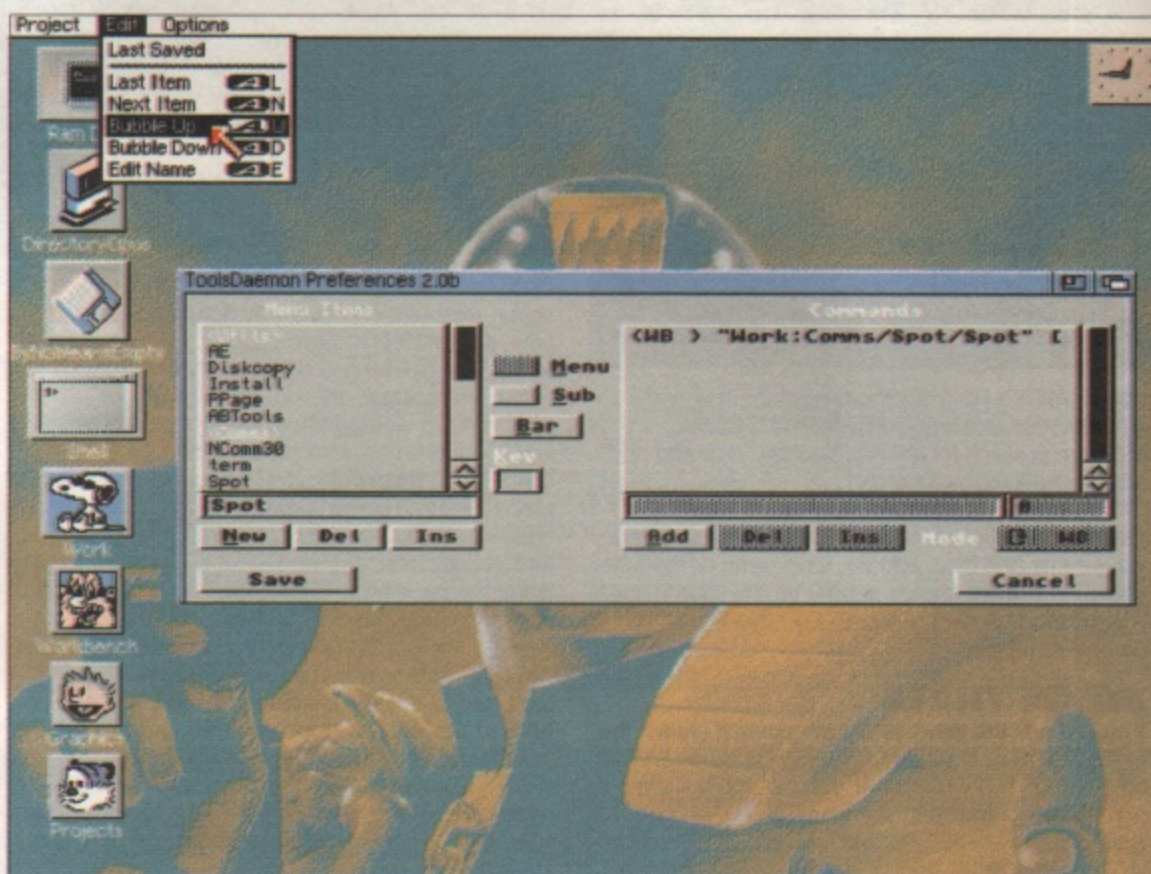
The Amiga's Shell is an incredibly clever thing – you can copy files, delete them, edit them: in fact you can do anything you can do from the Workbench, and a whole lot more besides. I use the Shell so much that I have its icon permanently 'left out' on the Workbench, but some folk even get their operating system to open one for them every time they boot, by altering the Startup Sequence.

Unfortunately, Commodore decided not to include a manual on using AmigaDOS with the A1200, which means a lot of users know virtually nothing about how to use it. By trial, error and a bit of looking around you should be able to work out a few basic Shell commands. Once you have the shell open, you should at least have a fair idea that DIR will produce a list of the files in the current directory – but that can be the limit.

The table below contains a handy run down of some of the more useful Shell commands for you to keep as a reference.

SIMPLE AMIGADOS COMMANDS

AmigaDos Command	Function	Example
newshell	Open a new shell window	newshell
endcli	Close the existing window	endcli
run	Start a program in the background	run newshell
dir	Obtain a list of the files in the current directory, or in the named directory.	dir df0:
cd	Move to another directory or move back up one sub-directory, or display the name of the current one.	cd df0: cd / cd
ed	Edit an existing file or create a new one. Press ESC and Q to quit without saving, and ESC and X to save and quit.	ed start-up sequence
delete	Erase a file	delete ram:plop.bak
list	As DIR but with more information and options	list df0:
copy	Duplicate a file	copy df0:plop to df1:



Configuring ToolsDaemon is easy, you simply drag the icons of your favourite programs and drop them in the Spot window. The menu item will be automatically created for you.

Note; references to the CLI mean more or less the same thing as the Shell. Earlier versions of



The easiest way start ToolsDaemon is to put a small program in the WBStartup drawer. Now every time your Amiga boots, the extra menu items will be present.

Workbench only had a CLI, which lacked basic editing facilities. For example, you couldn't press arrow-up to get the last thing you had typed.

Run is useful if you need to do several things at once. If you open a Shell window and enter:

```
run copy df0:plop to df1: QUIET
```

You can carry on with other commands whilst this copy process is done in the background. This is what the Amiga's 'multitasking' operating system is all about.

Sometimes you can't close a window if a task is still being processed. If this is the case, use the following listing:


```
run >nil: <nil: My_program_here
```

This will 'redirect' any input and output which 'My_program_here' may generate to a non-existent device, and suppress any messages or replies. It is especially handy to use in the Startup-sequence to stop programs opening tedious little windows.

WORKBENCH UTILITY PROGRAMS

One of the Amiga Workbench's better features is the ease at which extra programs can be integrated into it, to make life easier.

TOOLS DAEMON

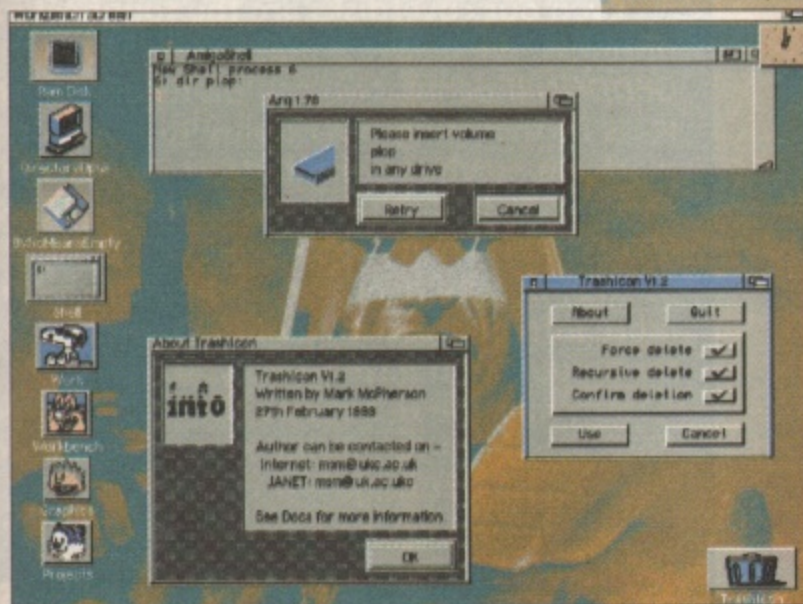
One of the many such programs I find almost invaluable is called *ToolsDaemon*, written by the incredibly-busy Nico Francois. *ToolsDaemon* offers an easy way to add your own menus to the Workbench, and each item is really one of your favourite programs. Instead of having to wade through dozens of drawers and directories trying to find *Deluxe Paint*, you can create a menu called 'Graphics' and include *DPaint* as an entry. When you select the *DPaint* menu option, the program will automatically load – handy or what?

ToolsDaemon is best used with a hard drive system, although if you give your floppy disks sensible names and stick to them, you might be able to use it with a floppy-only system. It's available from any good Public Domain library, so do yourself a favour and get a copy.

TRASHICON

I rarely, if ever, use the Trash Icon that comes as part of the Workbench. In fact, when formatting disks I always used the NOICONS option to make sure one is created. The main reason I don't use the Trash icon is that it can't be left out on the Workbench – it can only stay within the disk window. To get around this, Mark McPherson has written a program called *TrashIcon* which can't be left out. In fact, it's a program which has an icon instead of a window. Whenever something is dropped into it, it gets deleted. It's much closer to the Apple Mac's Trashcan, and as a result a lot easier to use. Look out for it.

Incidentally, the snazzy looking requesters are created by a program called *ARQ*. It patches the system requesters to include little animated pictures and when used with *MagicWB* it looks really good. **CU**



TrashIcon is a program which creates a litter bin that can be left out on the workbench. Ask your favourite Public Domain for it, and get *TinyClock v2* as well (look at the top right of the screen). The 'ARQ' requesters also add a touch of class to this *MagicWB*-enhanced Workbench, with the scanned backdrop in sixteen pastel shades rounding off the ensemble beautifully.

WILDCARDS

Wildcards are an incredibly useful way of saving your fingers from wearing out. These can be used wherever a normal filename would occur, but can speed up a lot of operations.

There are two symbols that AmigaDOS uses: the '#' hash symbol (known as the 'pound' symbol by Americans) and the '?' question mark. If you are used to the PC and MS-DOS then you'll have some re-learning to do, as the '*' star isn't used by default.

When used in a filename, a '?' means 'any character' so the list of following filenames are all equivalent:

```
testfile1.dat
testfile?.dat
test???1.dat
?estfile1.da?
?????????.???
```

The 'hash' mark is used to mean 'any number of (or no) characters', so the following filenames are all equal:

```
aafile.xxx
#afile.xxx
#afile.#x
#paafile.#x
```

Now the combination of the wildcard symbols is what makes them most useful. The following files are all equal. Remember that AmigaDOS is very flexible with filenames, and certainly doesn't limit them to a group of eight characters, a full stop and three more characters.

```
my_picture.iff
my_picture.??
my_#.iff
my#?
#?
```

Now for some practical examples. Say you had a list of images which you needed to copy from one disk to another. All the pictures had different names, but you had the foresight to include 'iff' somewhere in their names.

For example, they might be like this: John.iff, BindyTheCatIff, Iff_of_Sam.

You can copy all these files with one command: `copy df0:#{iff#}? to df1:` The wildcards will get anything which has 'iff' somewhere in it. Note that AmigaDOS is not case specific. If the files are all stored in a directory called 'pictures' you would use a CLI command like this:

```
copy
df0:pictures/#{iff#}? to
df1:
```

If you wanted to re-create the directory, include the name of the new directory, like this:

```
copy df0:pictures/#{iff#}? to df1:pic-
tures
```

This will create a new directory, and copy only

the files with 'iff' in their names into it. If you don't want to see a list of filenames, but QUIET at the end of the command, like this:

```
copy df0:pictures/#{iff#}? to df1:pic-
tures QUIET
```

With Workbench 2 and up, a new and useful little symbol was added – the '~' or tilda. (It's obtained by shifting the key beneath the ESC key). The tilda means 'not', so you can obtain a listing of all files that don't have 'iff' in their names with a command like this:

```
list ~(#{iff#}?)
```

The brackets are optional, but they are there to try and make it clearer to see what is going on. Things can start to get tricky, especially when you use the '|' symbol, which means 'or'. For example, to list all files which have 'iff' or 'gif' in their names, use the following:

```
list (#{iff#}?|#{gif#}?)
```

If you want to miss out any files ending with 'info' (in other words, the icons), use this:

```
list (#{gif|#{iff}} ~(#{info}))
```

You can see that although wildcards are powerful, they can quickly get well out of hand. Sometimes you spend more time thinking of the combination of #'s and ?'s and |'s to use than you would have copying each file in turn. That's computing for you!

Deleting old files is an essential chore that you need to do before you fill your entire hard or floppy disk with rubbish. Wildcards can speed things up:

```
delete #?.bak
```

will remove any old files. It's worth testing the command by swapping 'delete' with a 'list' before you accidentally nuke something important. You especially don't want to enter:

```
delete #?
```

Or you might lose everything...

If you want to remove a directory and the contents, use a command like this:

```
delete df0:pictures/#!
```

Now this will delete the files in the pictures directory, but it won't delete the directory itself. To do that include the ALL keyword, like this:

```
delete df0:pictures/ ALL
```

You might get an error message 'can't delete such-and-such in use'. This could be because an ASSIGN has been made to the file, so check your startup-sequence for and references.

NEXT MONTH

John continues on his voyage of AmigaDOS discovery, bridging great, yawning chasms of misunderstanding and crossing the frontiers of knowledge in his quest to help you use your Amiga for bigger and better things.



This is Janika.

She's intelligent.

She cares about the environment.

She's got a good job.

She's ambitious.

And she's going to kick your teeth in.

We're feeling pretty hard at the moment because the June issue of *The One* is going to be a veritable bloodbath. Janika will be performing amateur dentistry with her mates in our fantastic four-page review of *ELFMANIA*. We'll be bruising our shins and elbowing each other in the face as we take a look at *JAMES POND 3* and *SIERRA SOCCER*. And we'll no doubt be doing lots of other crazy things, because we're like that sometimes.

Even our coverdisks are the toughest in the business. We'll have a massive *ARMOUR-GEDDON II* demo, two complete levels from ICE's forthcoming *GULP!* plus 15 levels of platform mayhem with *TOUCH 'N' GO* and a completely brilliant version of that old classic *DIG DUG*. There'll probably be some other stuff as well, but we're not going to give you any more info because it's all top secret and if you found out we'd have to kill you.

Anyway, we're bored with talking to you now. We're off round the Krays' house for a quiet game of bridge.

**THE ONE
AMIGA**

**JUNE ISSUE
ON SALE
MAY 28TH.
BUY IT. OR
WE'LL SEND
THE BOYS
ROUND.**

CU AMIGA

READERSHIP SURVEY

In order to give you the very best Amiga coverage we need to find out exactly what you think of both us and the home computer market in general. The information we get from you will be used to improve CU AMIGA (if it needs improving) and to advise Commodore and the software houses of your opinions and preferences. Send your completed surveys to:

**Readership Survey,
CU AMIGA, EMAP
Images, Priory
Court, 30-32
Farringdon Lane,
London EC1R 3AU.**

(Senders of the first 50 surveys we get will each receive a joystick.)

ABOUT YOU

1. Are you: Male ☐ Female ☐

2. How old are you?

Under 7 ☐ 8 ☐ 9 ☐
10 ☐ 11 ☐ 12 ☐
13 ☐ 14 ☐ 15 ☐
16 ☐ 17-19 ☐ 20-23 ☐
24-29 ☐ 30 or over ☐

3. Are You?

In junior school ☐
In secondary school ☐
In 6th Form/6th Form College ☐
In higher education (University) ☐
In full time employment ☐
In part time employment ☐
Unemployed ☐
Other ☐

4. What do you do in your spare time? Please rate how keen you are on each of the following (10 = hyper keen, 1 = couldn't care less)

Play video games ☐ Playing sports ☐
Watch TV ☐ Watch satellite ☐
Watch videos ☐ Listen to music ☐
Listen to the radio ☐
Play arcade games ☐
Go to the cinema ☐ Other ☐

5. On average how much time do you normally spend playing video games or using your Amiga for other purposes every week?

Less than 1 hour ☐ 1-2 hours ☐
2-4 hours ☐ 4-6 hours ☐
6-8 hours ☐ 8-10 hours ☐
10-20 hours ☐
More than 20 hours ☐

6. How do you play your games?

On my own ☐ With a friend ☐
With a group ☐

7. On average, how much money do you earn/get given each month?

£0-9 ☐ £10-£49 ☐
£50-£99 ☐ £100-£499 ☐
£500-£832 ☐ £833-£1249 ☐
£1250-£1666 ☐ £1667-£2499 ☐
Over £2500 ☐

8. Which of the following do you regularly buy?

CDs ☐ Tapes ☐
Videos ☐ Clothes ☐
Shoes/Trainers ☐ Sweets ☐
Crisps ☐ Drinks ☐
Takeaway food ☐ Books ☐
Comics ☐ Other ☐

9. Do you have a bank account?

Yes ☐ No ☐

YOU AND YOUR AMIGA

10. Which of the following describes your technical competence on the Amiga?

Expert ☐ Competent ☐
Beginning to get the hang of most things ☐
Complete beginner ☐

11. Which of the following Amiga(s) do you own?:

CD32 ☐ A500 ☐
A500 Plus ☐ A600 ☐
A1000 ☐ A1200 ☐
A1500 ☐ A2000 ☐
A3000 ☐ A4000/030 ☐
A4000/040A4000T ☐

12. Do you plan to upgrade your Amiga in the next 6 months, if so to which model?

13. Which version of Workbench are you running? (If you have more than one list the highest)

1.2 ☐ 1.3 ☐
2.04/2.05 ☐ 2.1 ☐
3 ☐ 3.1 ☐

14. How much memory (RAM) does your Amiga have?

.5Mb ☐ 1Mb ☐
2Mb ☐ 4Mb ☐
8Mb or above ☐

15. What size hard drive do you own (if any)?

20Mb ☐ 40Mb ☐
60Mb ☐ 80Mb ☐
120Mb or above ☐

16. Which of the following peripherals do you own?

Disk drive ☐ Monitor ☐
Video digitiser ☐ Printer ☐
Modem ☐ Genlock ☐
Sound sampler ☐ Accelerator ☐
CD-ROM drive ☐ Emulator ☐
Graphics enhancer (24-bit) ☐
FMV capability (if available) ☐
Networking interface ☐
PCMCIA Hard drive ☐

17. Which following types of software do you use. If you purchased a program, rather than getting it with your Amiga etc, please tick the 'purchased' column as well.

	Use <input type="checkbox"/>	Purchased <input type="checkbox"/>
Word processor	<input type="checkbox"/>	<input type="checkbox"/>
Spreadsheet	<input type="checkbox"/>	<input type="checkbox"/>
Database	<input type="checkbox"/>	<input type="checkbox"/>
Painting program	<input type="checkbox"/>	<input type="checkbox"/>
Drawing program	<input type="checkbox"/>	<input type="checkbox"/>
DTP	<input type="checkbox"/>	<input type="checkbox"/>
Comms program	<input type="checkbox"/>	<input type="checkbox"/>
Sound sampler	<input type="checkbox"/>	<input type="checkbox"/>
Midi sequencer	<input type="checkbox"/>	<input type="checkbox"/>
Program language	<input type="checkbox"/>	<input type="checkbox"/>
Multimedia system	<input type="checkbox"/>	<input type="checkbox"/>
Image processor	<input type="checkbox"/>	<input type="checkbox"/>
Rendering software	<input type="checkbox"/>	<input type="checkbox"/>
Graphics utility	<input type="checkbox"/>	<input type="checkbox"/>
Utility	<input type="checkbox"/>	<input type="checkbox"/>

18. Is your Amiga linked to a HiFi?

Yes ☐ No ☐

19. What are your main interests?

Graphics/video	<input type="checkbox"/>	Music <input type="checkbox"/>
Programming	<input type="checkbox"/>	Business <input type="checkbox"/>
Public Domain	<input type="checkbox"/>	DTP <input type="checkbox"/>
Comms	<input type="checkbox"/>	Games <input type="checkbox"/>
Other	<input type="checkbox"/>	

20. Do you find the technical reviews:

About right ☐ Too technical ☐
Not technical enough ☐

21. What do you think of the overall content of CU AMIGA?

About right ☐
Too little game reviews/previews ☐
Too much game reviews/previews ☐
Not enough tech/serious reviews ☐
Too much tech/serious reviews ☐

22. How much do you plan to spend on hardware in the next 12 months?

Under £50 ☐ £50-£100 ☐
£100-£200 ☐ £200-£500 ☐
£500-£1000 ☐ Over £1000 ☐

23. Do you have, or intend to buy in the next six months, any of the following items?

	Own <input type="checkbox"/>	Intend <input type="checkbox"/>
Disk Drive	<input type="checkbox"/>	<input type="checkbox"/>
Monitor	<input type="checkbox"/>	<input type="checkbox"/>
Printer	<input type="checkbox"/>	<input type="checkbox"/>
Modem	<input type="checkbox"/>	<input type="checkbox"/>
RAM upgrade	<input type="checkbox"/>	<input type="checkbox"/>
Sound sampler	<input type="checkbox"/>	<input type="checkbox"/>
Video digitiser	<input type="checkbox"/>	<input type="checkbox"/>
Genlock	<input type="checkbox"/>	<input type="checkbox"/>
Accelerator	<input type="checkbox"/>	<input type="checkbox"/>
CD-ROM drive	<input type="checkbox"/>	<input type="checkbox"/>

- » Emulator ☐ ☐
 Graphics enhancer ☐ ☐
 FMV capability ☐ ☐
 Networking interface ☐ ☐
 Hard drive ☐ ☐

24. Apart from games, what else do you use your Amiga for?

- Education ☐ DTP ☐
 Business presentation/multimedia ☐
 Music (midi and sound sampling) ☐
 Graphics & animation ☐
 General word processing ☐
 Programming ☐
 Personal finance ☐
 Spreadsheets/accounts ☐

25. What type of Amiga Games are you interested in?

- Arcade style (shoot 'em ups, etc) ☐
 Board and puzzle (*Chess/Tetris*) ☐
 Flight sims ☐
 Graphic adventures (*Tentacle* etc) ☐
 Platform (*Flashback, Zool*, etc) ☐
 Role playing/strategy games (*Ultima, AD & D*, etc) ☐
 Sports simulations (*Sensible Soccer, Formula 1*, etc) ☐
 Games with FMV included ☐

26. What do you think would make the best CU coverdisk offer?

- No disks and reduce price to £2.95 ☐
 Two disks at 3.95 ☐
 Three disks at £4.50 ☐
 1 CD32 disk at £4.99 ☐

ABOUT YOUR GAMES

27. Which of the following machines do you (1) own or do you (2) have access to (perhaps via a friend)?

- | | 1. Own | 2: Access |
|--------------------|--------------------------|--------------------------|
| Sega Mega CD | <input type="checkbox"/> | <input type="checkbox"/> |
| Sega Mega Drive | <input type="checkbox"/> | <input type="checkbox"/> |
| Sega Game Gear | <input type="checkbox"/> | <input type="checkbox"/> |
| Sega Master System | <input type="checkbox"/> | <input type="checkbox"/> |
| Nintendo SuperNES | <input type="checkbox"/> | <input type="checkbox"/> |
| Nintendo GameBoy | <input type="checkbox"/> | <input type="checkbox"/> |
| Nintendo NES | <input type="checkbox"/> | <input type="checkbox"/> |
| Atari Jaguar | <input type="checkbox"/> | <input type="checkbox"/> |
| Atari Lynx | <input type="checkbox"/> | <input type="checkbox"/> |
| Atari ST/Falcon | <input type="checkbox"/> | <input type="checkbox"/> |
| Amiga A500 | <input type="checkbox"/> | <input type="checkbox"/> |
| Commodore CD32 | <input type="checkbox"/> | <input type="checkbox"/> |
| Amiga A1200 | <input type="checkbox"/> | <input type="checkbox"/> |
| Apple Macintosh | <input type="checkbox"/> | <input type="checkbox"/> |
| Acorn Archimedes | <input type="checkbox"/> | <input type="checkbox"/> |
| PC | <input type="checkbox"/> | <input type="checkbox"/> |
| PC CD-ROM | <input type="checkbox"/> | <input type="checkbox"/> |
| PC Engine | <input type="checkbox"/> | <input type="checkbox"/> |
| Neo Geo | <input type="checkbox"/> | <input type="checkbox"/> |
| Philips CD-i | <input type="checkbox"/> | <input type="checkbox"/> |
| 3DO | <input type="checkbox"/> | <input type="checkbox"/> |

28. Which machine do you want to buy next?

- Amiga 1200 ☐
 Amiga 4,000 ☐
 CD32 ☐
 FMV ☐
 Sega Mega CD ☐
 Sega Mega Drive ☐
 Sega Game Gear ☐
 Sega Master System ☐
 Nintendo SuperNES ☐
 Nintendo GameBoy ☐
 Nintendo NES ☐

- Atari Jaguar ☐
 Atari Lynx ☐
 Atari ST/Falcon ☐
 Amiga A500 ☐
 Commodore CD32 ☐
 Amiga A1200 ☐
 Apple Macintosh ☐
 Acorn Archimedes ☐
 PC ☐
 PC CD-ROM ☐
 PC Engine ☐
 Neo Geo ☐
 Philips CD-i ☐
 3DO ☐
 Sega MultiMega ☐
 Sega Mars/Mega-32 ☐
 Sega Saturn ☐
 Nintendo Project Reality ☐
 Sony PS ☐

29. How many games do you own?

- None ☐ One ☐
 2-5 ☐ 6-10 ☐
 11-25 ☐ 26-50 ☐
 More than 50 ☐

30. On average how much software (games and/or utility) do you buy?

- Never buy software ☐
 A couple every year ☐
 One every three months ☐
 One every couple of months ☐
 One per month ☐
 Two per month ☐
 Three per month ☐
 Four per month ☐
 Five per month ☐
 More than five per month ☐

31. How much software (games and/or utilities) do you get or are given (as presents etc.)?

- None ☐
 A couple every year ☐
 One every three months ☐
 One every couple of months ☐
 One per month ☐
 Two per month ☐
 Over two per month ☐

32. How many different games do you play in a month – either on your own, at a friend's or elsewhere?

- None ☐ 1-5 ☐
 6-10 ☐ 11-15 ☐
 15-20 ☐ Over 20 ☐

33. How long have you been playing computer and video games?

- A month or less ☐ 1-3 months ☐
 3-6 months ☐ 6-12 months ☐
 12-18 months ☐ 18 mths-2 years ☐
 2-3 years ☐ 3-4 years ☐
 4-6 years ☐ Over 6 years ☐

34. How much do you spend on soft/hardware goods on average in a month?

- Nothing ☐ Under £10 ☐
 £10-£25 ☐ £25-£50 ☐
 £50-£75 ☐ £75-£100 ☐
 £100-£150 ☐ £150-£200 ☐
 Over £200 ☐

35. In order of preference, which of the following are the most important things that help you decide which software you would

like to buy? (1 = most important, 10 = least important)

- Computer magazine review ☐
 Computer magazine preview ☐
 Recommendation by a friend ☐
 Advert in a computer magazine ☐
 Editorial in other magazines ☐
 Saw it on TV ☐
 Saw an advert on TV ☐
 Saw a poster ☐
 Saw it at an exhibition ☐
 Shop demonstration ☐
 Rent to try out first ☐
 Other ☐

36. Where do you normally buy your software and hardware?

- Dixons ☐ Virgin ☐
 Woolworths ☐ Argos ☐
 Comet ☐ Boots ☐
 Toys R Us ☐ WHSmith ☐
 Microbyte Games ☐ Our Price ☐
 HMV ☐ Curry's ☐
 Rumbelows ☐ Future Zone ☐
 John Menzies ☐ Game ☐
 Blockbuster Video ☐ Ritz ☐
 Tandy ☐ Beatties ☐
 Specialist shop ☐ Mail Order ☐

ABOUT THE MAGAZINE

37. Where do you usually buy your computer magazines from?

- WHSmith ☐ John Menzies ☐
 Martins ☐ Fourbuys ☐
 Tesco ☐ Sainsburys ☐
 Asda ☐ Local newsagent ☐
 Subscription ☐ Somewhere else ☐

38. Who pays for the magazine?

- You ☐ A friend ☐
 Your parents/other relative ☐

39. How many other people apart from yourself will see your copy of CU AMIGA?

- Nobody else ☐ One ☐
 Two ☐ Three ☐
 Four ☐ Five ☐
 More than five ☐

40. How often do you (1) buy or (2) see (perhaps a friend's copy of) CU AMIGA?

- | | 1: Buy | 2: See |
|------------------------|--------------------------|--------------------------|
| Every month | <input type="checkbox"/> | <input type="checkbox"/> |
| Every couple of months | <input type="checkbox"/> | <input type="checkbox"/> |
| Every three months | <input type="checkbox"/> | <input type="checkbox"/> |
| Less often | <input type="checkbox"/> | <input type="checkbox"/> |

41. How long have you been buying CU AMIGA?

- One month ☐ 1-3 months ☐
 3-6 months ☐ 6-12 months ☐
 12-18 months ☐ 18 mths-2 years ☐
 Over 2 years ☐

42. Would you ever buy a game without seeing a review first in a copy of CU AMIGA?

- Yes ☐ No ☐

43. How would you rate CU AMIGA as a computer mag? (10 = brilliant, 1 = rubbish)

- 1 ☐ 2 ☐
 3 ☐ 4 ☐
 5 ☐ 6 ☐

- 7 ☐ 8 ☐
 9 ☐ 10 ☐

44. What do you think of the different sections of CU AMIGA?

- | | Good | Average | Poor |
|----------------|--------------------------|--------------------------|--------------------------|
| Covers | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Cover gifts | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Coverdisks | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| News | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Game previews | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Game reviews | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Features | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Tech. reviews | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| PD Scene | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| PD Utilities | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Art Gallery | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Tutorials | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Sound Lab | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Q+A | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Backchat | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Points of View | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Competitions | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

45. What other magazine do you normally buy or see and how would you rate them out of 10 (where 10 = brilliant and 1 = rubbish)?

- | Magazine | Buy | Rating |
|---------------|--------------------------|--------------------------|
| The One Amiga | <input type="checkbox"/> | <input type="checkbox"/> |
| Amiga Action | <input type="checkbox"/> | <input type="checkbox"/> |
| Amiga Format | <input type="checkbox"/> | <input type="checkbox"/> |
| Amiga Shopper | <input type="checkbox"/> | <input type="checkbox"/> |
| Amiga Power | <input type="checkbox"/> | <input type="checkbox"/> |
| Amiga Pro | <input type="checkbox"/> | <input type="checkbox"/> |
| Amiga Mart | <input type="checkbox"/> | <input type="checkbox"/> |
| Amiga Comp. | <input type="checkbox"/> | <input type="checkbox"/> |
| Amiga User | <input type="checkbox"/> | <input type="checkbox"/> |

46. How did you first find out about CU AMIGA?

- From a friend ☐ In a newsagent ☐
 From a magazine advertisement ☐
 At an exhibition ☐ From a TV show ☐
 Leaflet in a hard/software purchase ☐
 From a radio ad ☐ Other ☐

47. How interested are you in seeing the following promotions in CU AMIGA? (1=not interested; 5=extremely interested):

- Tips books ☐
 Supplements (eg, buyer's / beginner's guides / top 100 games etc.) ☐
 Money-off vouchers ☐
 Exclusive CU AMIGA Offers ☐
 Gadgets – ie mousemats etc. ☐

48. Would you like to subscribe to CU AMIGA?

- Yes ☐ No ☐

If you have any suggestions that you feel may be of interest to us please feel free to include them on a separate piece of paper.

Name :
 Address:

I would be interested in taking part in further questionnaires regarding CU AMIGA. This does not mean that my details will be given out to third parties for mailing purposes.



**WORLD
CLASS
PERIPHERALS**

AMIGA NEW PRODUCTS

RETURN THE COUPON FOR 64-PAGE AMIGA GUIDE

VIDEO GENLOCK FOR ALL AMIGAS



This extremely high quality Amiga genlock, from GVP, has an intuition-based software control panel with full ARexx and command line interfaces. Easy to use, the G-LOCK genlock features many sophisticated attributes among which are:

- Two Composite Video Inputs or S-Video (Y/C) Input
- Simultaneous Composite & S-Video and RGB Output
- Video Processor - Real Time Software Control of Video Attributes (Sharpness, Gain, Brightness etc)
- ARexx Compatible
- Works with Flicker Fixers
- Multiple Keyer Modes
- Full Audio Support



G-LOCK
£349
£299
INC VAT - VID 2500

NEW 40MHz & 50MHz ACCELERATORS FOR AMIGA 1200



The new GVP A1230-II, available in 40MHz 68030EC and 50MHz 68030 configurations, are the most advanced accelerators yet for the A1200. They can make your Amiga run 6x times (40MHz version) or 8x times (50MHz version) faster than the standard A1200 and feature unique module expandability.

MMU OR FPU?

The 50MHz version includes a built-in Memory Management Module (MMU), for more sophisticated memory control. An optional FPU (Floating Point Unit, for faster maths calculations) is available for the 40MHz and 50MHz versions (see below), both have RAM upgrade options (up to 32Mb, see right).

UNIQUE MODULE EXPANDABILITY

The A1230-II is unique in that you can add further functionality to your Amiga by using expansion modules. GVP will be releasing a wide range of optional modules, the first being a high speed SCSI-II interface. A 16-bit sound sampler and real time frame grabber will follow shortly. All modules can be fitted without invalidating the Amiga's warranty.

- 40MHz 68030EC and 50MHz 68030 Accelerator
- Unique Feature Connector for Module Expansion
- Built-in Memory Management Unit on 50MHz Version
- Optional 60ns 32Mb RAM Upgrade
- Battery Backed Clock
- Optional 40MHz or 50MHz 68882 Maths Co-Processor
- Sophisticated Memory Management and Cache Control Software
- Kickstart Remapping Technology

RAM UPGRADES

The A1230-II accelerator comes with two 32-bit SIMM sockets for easy fast RAM expansion. The following SIMMs can be used in this slot:

- 1Mb 60ns Fast RAM SIMM - (RAM 3216) - £69 inc VAT
- 4Mb 60ns Fast RAM SIMM - (RAM 3246) - £199 inc VAT
- 16Mb 60ns Fast RAM SIMM - (RAM 3286) - £1299 inc VAT

CU-AMIGA Feb 94 07/90

SCSI-II EXPANSION MODULE

- A1291 - Fastest SCSI Controller Yet
- DMA SCSI Design
- Fast SCSI ROM Controller
- High Speed, Unique DPRC Technology for Direct HD to Memory Transfer

A1230-II SCSI EXPANSION MODULE

£79
INC VAT - UPD 1000

A1230-II PROCESSOR ACCELERATOR

40MHz 68030EC NO MMU				50MHz 68030 WITH MMU			
NO FPU				NO FPU			
0Mb RAM	4Mb RAM	8Mb RAM	4Mb RAM	0Mb RAM	4Mb RAM	8Mb RAM	4Mb RAM
£249	£449	£649	£549	£379	£579	£779	£679
INC VAT - UPD 1246	INC VAT - UPD 1246	INC VAT - UPD 1246	INC VAT - UPD 1246	INC VAT - UPD 1300	INC VAT - UPD 1346	INC VAT - UPD 1346	INC VAT - UPD 1346

HARD DRIVE CARD FOR A1500/A2000/A3000/A4000



The HC8+ is a high speed hard drive and RAM card which can also be used to increase your Amiga's RAM by up to 8Mb RAM.

A FULLY
FEATURED
SCSI
INTERFACE
FOR A4000s

- High Speed DMA SCSI Controller Can Handle up to 7 Devices
- Ultra Fast Access SCSI Hard Drive Option - See Below
- Supplied Unpopulated, the HC8+ can be Upgraded to Give You up to 8Mb of FAST RAM - See Below for Details
- Direct Memory Access Style Design for Top Speed Transfer

HC8+ HARD DRIVE CARD

0Mb HD	120Mb HD
£129	£299
INC VAT - HAR 1300	INC VAT - HAR 1422

RAM UPGRADE CARDS

GVP HC8+ INCLUDES 8 SIMM SOCKETS FOR EASY INSTALLATION OF FAST RAM. THE HC8+ WILL ACCEPT 2, 4, 6 or 8Mb USING 2, 4, 6 or 8 SIMMS

1Mb SIMM £39.95 EACH MEM 3625

8-BIT SOUND SAMPLER FOR ALL AMIGAS



- New Style High Impact, Clear Poly-Carbonate Casing
- Simultaneously Holds up to 31 Sound Samples in Memory
- Real-time Oscilloscope, Spectrum Analysis, Echo & Reverberation
- ARexx Compatible
- Microphone Input
- MOD File & MIDI Compatible
- FREE Samples Disk

DSS8+
£69
INC VAT - MUS 2510

ACCELERATORS FOR AMIGA 1500 & 2000

GVP offer a range of A1500/A2000 accelerators that simply outstrip the competition for speed and specifications.

FAST! 32-bit TECHNOLOGY

SPECIAL OFFER SAVE £64! 120Mb SCSI HARD DRIVE £169
*MOUNTED FOR HAR 2000 *INC VAT
ONLY WHEN PURCHASED WITH GVP ACCELERATORS SHOWN BELOW

G-FORCE ACCELERATORS	030 40MHz	040 33MHz
Speed MIPS*	12.1	30
Processor	68030EC	68040
Maths Co-Pro.	68882 included	In 68040 processor
Std 32-bit RAM	4Mb	4Mb
Max 32-bit RAM	16Mb	64Mb
Extras	SCSI	SCSI Ser/Par
PRICE	£599	£999
	INC VAT - UPD 9430	INC VAT - UPD 0740

*MIPS: Millions of Instructions / second, a normal Amiga runs at 0.7 MIPS

PLUG-IN HARD DRIVE FOR THE AMIGA 500 & 500PLUS

+ RAM EXPANSION TO 8Mb

The A500 HD8+ provides the ultimate in hard drive performance, it can also increase the memory of your Amiga by up to 8Mb, support up to six SCSI devices and provide PC compatible emulation via its custom expansion slot (mini slot) see below.

"Without doubt the best hard drive available for the A500..."
Amiga Format April '93



92% CU-AMIGA

COMPARISON CHART

FEATURES/MODEL	GVP HD8+	100 TRIFLEX LX	COMMODORE A500 20mb	EVERHAM REFERENCE 100
*TRANSFER RATE: Kb per second	1056	1028	584	400
GVP DESIGNER STYLING	✓	✓	✓	✓
RAM EXPANSION (Kb)	8mb	8mb	2mb	4mb
MINI SLOT (FOR FUTURE EXPANSION)	✓	✓	✓	✓
SCSI INTERFACE	✓	✓	✓	✓
GVP PERFORMANCE Based ROM	✓	✓	✓	✓
DEDICATED POWER SUPPLY	✓	✓	✓	✓

HD8+ 120Mb HD, 0Mb RAM

PREVIOUS PRICE £399

£299
INC VAT - HAR 0922

PC EMULATOR

FOR USE WITH HD8+ or A530
PLUGS INTO THE HD8+ OR A530 TO ALLOW YOU TO RUN PC COMPATIBLE SOFTWARE ON YOUR AMIGA

286-16MHz EMU 0500 £99
INC VAT

24-BIT GRAPHICS CARD FOR A1500/A2000/A3000/A4000



EGS Spectrum is the answer to all your 24-bit graphics card requirements. It is a high performance, high resolution, 24-bit board that will take any Amiga 1500, 2000, 3000 or 4000 beyond AGA! But the hardware is only half of the picture. Without quality software, your investment will be wasted. Not only does GVP's own award winning graphics application ImageFX fully support EGS Spectrum, but also, using a Workbench driver, nearly all existing Amiga Workbench compatible applications will also work on and support the EGS Spectrum system.

- 1Mb or 2Mb of On-board Memory
- 2Mb gives, higher resolutions & more colours (1024x768 Vs 1600x1280)
- On-board Hardware BLITTER
- Future Re-targetable Graphics Support
- Zorro II or Zorro III Autosensing
- Scan Rates up to 80kHz
- 80,000,000 Pixels/sec Pixel Display Speed (8-bit)
- Programmable Display Resolution 320x200 to 1600x1280
- Supports Data Transfer Rates up to 12Mb/sec on Zorro III Systems

EGS SPECTRUM

1Mb RAM	2Mb RAM
NEW!	NEW!
£349	£399
INC VAT - VID 7310	INC VAT - VID 7320

IMAGE PROCESSING FOR ALL AMIGAS WITH 4Mb RAM

Image FX is a complete solution for all your image creation and editing needs. It has a vast range of facilities, can read and write to many other different file formats and directly controls a wide variety of hardware.

- 24-bit Painting
- ARexx Compatible
- Virtual Memory Support
- Load, Save and Convert to the Following Formats: ANIM, BMP, Clipboard, DCTV, DPM, GIF, HAM-E, ILM, IMPULSE, JPEG, RENDERING, SCULPT, TARGA, TIFF AND MORE
- Scanning, Framing & 24-bit Board Support
- Comes with Modules for Several Popular Hardware Devices: JX100, I/24, AGA/AA Chipset
- Create Animations
- Numerous Special Effects: Edge Feathering, Shading, Alpha Channel, Morphing, Compositing etc

CINEMORPH INCLUDED!
SEE DETAILS BELOW

IMAGE FX
£199
INC VAT - ASI 2002

VIDEO EFFECTS FOR ALL AMIGAS WITH 3Mb RAM



CineMorph from GVP opens up the world of Morphing, the process of converting one image to another to create dazzling special effects. Currently very popular in music videos and feature films, morphing has become the fashionable video effect to use. Now with CineMorph you can create these stunning effects on your Amiga.

- Supports the AA Chipset
- Static or Full Motion Morphing
- Single Image Warping
- Fast Render Times
- Renders to HAM-E and DCTV

CINEMORPH
£25
INC VAT - ASI 4423



THE SILICA SERVICE

Before you decide when to buy your new Amiga products, we suggest you think very carefully about WHERE you buy them. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals or software, or help and advice. And, will the company you buy from contact you with details of new products? At Silica, we ensure that you will have nothing to worry about. With our unrivalled experience and expertise, we can meet our customers' requirements with an understanding which is second to none. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Service".

- **FREE OVERNIGHT DELIVERY:** On all hardware orders shipped in the UK mainland (there is a small charge for Saturday delivery).
- **TECHNICAL SUPPORT HELPLINE:** A team of technical experts will be at your service.
- **PRICE MATCH:** We match competitors on a "Same product - Same price" basis.
- **ESTABLISHED 15 YEARS:** We have a proven track record in professional computer sales.

- **PART OF A £50M A YEAR COMPANY:** With over 200 staff - We are solid, reliable and profitable.
- **BUSINESS + EDUCATION + GOVERNMENT:** Volume discounts are available. Tel: 081-308 0888.
- **SHOWROOMS:** We have demonstration facilities at all our stores.
- **THE FULL STOCK RANGE:** All of your computer requirements are available from one specialist supplier.
- **FREE CATALOGUES:** Will be mailed to you, with special reduced price offers, as well as details on all software and peripherals.
- **PAYMENT:** We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).



MAIL ORDER PLUS TECHNICAL AND HEAD OFFICE 081-309 1111

1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 5SS

PLUS BRANCHES AT:

CHELMSFORD Debenhams (2nd Floor), 27 High St, Chelmsford, Essex, CM1 1DA Tel: 0245 355511	CROYDON Debenhams (2nd Floor), 11-31 North End, Croydon, Surrey, CR9 1RQ Tel: 081-688 4455
GLASGOW Debenhams (1st Floor), 97 Argyle St, Glasgow, Strathclyde, G2 8AR Tel: 041-221 0088	IPSWICH Debenhams (2nd Floor), Westgate Street, Ipswich, IP1 3EH Tel: 0473 221313
LONDON 52 Tottenham Court Road Debenhams (3rd Floor), 334 Oxford St Selfridges (Basement Area), 369 Oxford St Tel: 071-580 4000 Tel: 071-493 3735 Tel: 071-629 1234	MANCHESTER Debenhams (3rd Floor), Market Street, Manchester, M60 1TA Tel: 061-832 8666
SIDCUP 1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX Tel: 081-302 8811	SOUTHEAST Keddies (2nd Floor), High St, Southend-on-Sea, Essex, SS1 1LA Tel: 0702 458039

PLEASE SEND ME A 64 PAGE AMIGA CATALOGUE

Mr/Mrs/Miss/Ms: _____ Initials: _____

Surname: _____

Company (if applicable): _____

Address: _____

Postcode: _____

Tel (Home): _____

Tel (Work): _____

Which computer(s), if any, do you own? _____

Premier Mail Order

Please send cheque/PO's (made out to Premier Mail Order), or advise Visa/Mastercard number and expiry date to:

Dept CU 20, 9-10 The Capricorn Centre Cranes Farm Rd Basildon, Essex SS14 3JJ Tel: 0268 271172 Fax: 0268 271173

Telephone Orders: Mon-Fri 9am-7pm and Sat & Sun 10am-4pm **We Are Open 364 Days a Year**

P&P and VAT is included for all UK orders. Please add £2 P&P for Europe and £3.50 for Rest of The World

Next day delivery service available £4 per item UK only.

MOST TITLES ARE DESPATCHED SAME DAY, BUT CAN TAKE UP TO 28 DAYS Some Titles may not be released at the time of going to Press

E & OE

A320 AIRBUS (USA)22.99	Flight Sim 2 USA No 12 New York Scenery13.99	Rainbow Islands6.99
A320 Airbus (EUROPA)22.99	Flight Sim 2 Western European Tour13.99	RailRoad Tycoon12.99
A320 APPROACH TRAINER19.99	Fly Harder8.99	Reach Out For GoldA500 or A1200 17.99
Addiction19.99	Fly HarderCD32 12.99	Reach Out For GoldCD32 19.99
Air Bucks 1.2.022.99	Formula 1 Champions17.99	Reach for the Skies22.99
Akira18.99	Formula One Grand Prix22.99	Red Baron(See Lords of Power)
AkiraCD32 19.99	G217.99	Rise Of The RobotsA500 or A1200 27.99
Alfred ChickenA500/A1200/CD32 17.99	GenesisCD32 19.99	Rookies17.99
Alien Breed 2A500/A1200 19.99	Global Domination26.99	Rules of Engagement 222.99
Alien Breed Special Edition10.99	Globule19.99	RYDER CUPCD32 20.99
Alien Breed Special EditionCD32 12.99	Goal13.99	Ryder CupA1200/A500 17.99
Ambermoon19.99	Goblins 322.99	Sabre Team (enhanced)A1200/CD32 20.99
AMBERSTAR19.99	Graham Gooch Second Innings19.99	Second SamuraiA500/CD32 19.99
Another World12.99	Graham Gooch World Class Cricket8.99	SECRET OF MONKEY ISLAND (1 MEG)12.99
APOCALYPSE17.99	Graham Taylor's Soccer Challenge8.99	Secret of Monkey Island 224.99
Arabian KnightsA1200 19.99	Grand Prix Circuit16.99	Seek N DestroyA500/CD32 17.99
Arabian KnightsCD32 12.99	Grusome8.99	Sensible Soccer 1.1 (92/93)16.99
Archie8.99	Gulp18.99	Sensible SoccerCD32 19.99
Assassin Remix9.99	GulpCD32 19.99	SETTLERS19.99
A Train12.99	Gunship 2000 (1 Meg)22.99	Silent Service 212.99
Award Winners 219.99	GUNSHIP 2000CD32 19.99	Sim City Deluxe19.99
B17 Flying Fortress (1 Meg)22.99	Hanning Barbera Animation29.99	Sim City Lemmings19.99
BattlechessCD32 19.99	Hannibal19.99	Sim City Populous19.99
Battle Isle 9317.99	Harpoon 12112.99	Sim Life (A1200)22.99
Battlefields17.99	Harrier Jump Jet22.99	Simon The Sorcerer22.99
Batman Returns16.99	Heroquest 2 - Legacy Of Sorasil17.99	Simon The SorcererA1200 29.99
Beast Lord17.99	Hill Street Blues8.99	SKIDMARKS17.99
BeaversCD32 17.99	Hired Guns22.99	Slicks12.99
BENEATH A STEEL SKY20.99	History Line 1914-1822.99	Soccer KidCD32 19.99
Big Sea19.99	Hoyle's Book of Games 210.99	Soccer KidA500/A1200 9.99
Blade of Destiny26.99	Hoyle's Book of Games 310.99	SPACE QUEST 112.99
Blastar17.99	IK46.99	STARLORD22.99
Body Blows Galactic18.99	INDY JONES - ATLANTIS ADV (1 MEG)24.99	Star TrekA1200 22.99
Body Blows GalacticA1200 19.99	Innocent22.99	Street Fighter 212.99
Breach 322.99	InfernoCD32 19.99	Striker8.99
BRIAN THE LION19.99	INTERNATIONAL MANAGER WORLD CUP EDITION17.99	S.U.B.19.99
Brutal Sports Football25.99	International Open Golf Championship17.99	Super Hero19.99
Bubba & StixCD32 19.99	International Open GolfCD32 19.99	Super League Manager22.99
Bubble & SqueakCD32 19.99	Ishar 2A500/A1200 19.99	Super Methane Brothers17.99
Caesar/Cohort 2CD32 22.99	Jack The Ripper27.99	Super Methane BrothersCD32 22.99
Caesar/Cohort 2CD32 22.99	James Pond 3All Formats 17.99	Surf NinjasCD32 19.99
Campaign 222.99	James Pond 2 - RobocodCD32 20.99	Surf NinjasA500 or A1200 17.99
CANNON FODDER20.99	Jaguar XJ2208.99	SYNDICATE22.99
Castles 219.99	Jet Strike17.99	Tactical Manager - English or Scottish or Italian19.99
Captain DynamoCD32 12.99	John Barnes European Football8.99	Terminator 220.99
Castles 2A1200 22.99	John Barnes FootballCD32 12.99	Team 17 Collection Vol 119.99
Castle Conquest19.99	Jurassic Park17.99	T.F.X.A1200/CD32 22.99
Casper/Cohort 2CD32 22.99	Jurassic ParkA1200 18.99	THEATRE OF DEATH19.99
Championship Manager 9316.99	Jurassic ParkCD32 19.99	The Blue & The Grey22.99
CHAMP SHIP MGR END OF SEASON DATADISK12.99	K240 - Utopia 2 (Non AGA)A500/CD32 16.99	THE DEFINITIVE CHAMPIONSHIP MANAGER17.99
Championship Manager 94 Season Disk7.99	Keys of Maramon16.99	THE GREATEST22.99
Championship Manager Italia16.99	Kingmaker22.99	TORNADO22.99
Chambers Of ShaolinCD32 17.99	Kings table19.99	Total CarnageCD32 19.99
Chaos Engine16.99	Kings Quest 210.99	Tracon 222.99
Chaos EngineA1200 17.99	Kings Quest 6A500/A1200 26.99	Town With No NameCD32 22.99
CHAOS ENGINECD32 19.99	KNIGHTS OF THE SKY (1 MEG)10.99	Traps & Treasures19.99
Civilisation (1 Meg)22.99	Laser Squad8.99	Trivial Pursuit DeluxeCD32 19.99
CIVILISATIONA1200 25.99	Legacy of Sorasil (Non AGA)CD32 17.99	TrollsA1200 9.99
Claws17.99	Legends of Valour24.99	TROLLSCD32 19.99
Cohort 219.99	Letsure Suit Larry 217.99	Trolls9.99
Cool Spot19.99	LEMMINGS 2 (THE TRIBES)17.99	Turning Points22.99
COMBAT AIR PATROL19.99	LEMMINGS 1CD32 19.99	Turnican 3A500/CD32 17.99
COMBAT CLASSICS 219.99	Lemmings Double Pack19.99	Twilight 200020.00
Cosmic Spacehead17.99	Liberation Captive 220.99	TV Sports DuoCD32 19.99
Cover Girl17.99	Links Bountiful Course Disk12.99	U.F.O.22.99
Craft22.99	Links - The Challenge of Golf12.99	U9622.99
Crazy Cars 312.99	LionheartCD32 14.99	Ultimate Body BlowsCD32 19.99
Crash Dummies17.99	Litil DivilCD32 19.99	ULTIMATE PINBALL QUEST19.99
Cyber Punk17.99	Liverpool FootballCD32 17.99	UMS Compilation27.99
Cyberspace22.99	Lords Of Chaos8.99	Uncovered17.99
Cybercon310.99	LORDS OF POWER22.99	Uridium 2CD32 22.99
D-Day22.99	LOST VIKINGSCD32 19.99	Utopia8.99
D GenerationCD32 17.99	Lotus Trilogy19.99	Utopia 2A500/CD32 19.99
Dangerous StreetsA500 or A1200 17.99	Lotus Turbo TrilogyCD32 22.99	Vikings9.99
DARKMERE20.99	Lure of The Temptress12.99	WING COMMANDERA1200 22.99
Dark Sun: Shattered Lands21.99	Magician's Castle19.99	Winter Olympics22.99
Deepcore17.99	MARIO IS MISSING19.99	Winter Super Sports19.99
Demomaniac17.99	Mario Is Missing19.99	Wiz 'N' Liz19.99
Deluxe Music Construction Set 2.059.99	Mavis Beacon 219.99	Yo Joe17.99
Deluxe Paint 4 AGA64.99	Magic Boy17.99	ZooCD32 19.99
Deep CoreCD32 19.99	Messengers of Doom19.99	Zoo 2CD32 19.99
Desert Strike19.99	MICROCOSMCD32 29.99	Zoo 2A1200/A500 17.99
DiggersA1200 19.99	Micro Machines17.99	
Disposable Hero17.99	MONOPOLY18.99	
Disposable HeroCD32 19.99	MORTAL KOMBAT20.99	
DIZZY CD PACKCD32 16.99	Mr. Nutz17.99	
Daylight22.99	Mr. NutzA1200 18.99	
DONK16.99	Naughty OnesAll Formats 17.99	
DONKCD32 19.99	Narco Police5.99	
Dreamweb22.99	New Zealand Story6.99	
Dune12.99	Nick Faldo's Golf17.99	
Dune 220.99	NICK FALDO'S GOLFCD32 22.99	
Dynablaster19.99	Nicky 217.99	
Elfmania17.99	Nigel Mansell World ChampA1200/A500/CD32 19.99	
ELITE 2 (FRONTIER)A500 OR CD32 19.99	Nippon Sales19.99	
Entity19.99	No Second PrizeA500/CD32 14.99	
European Championship FootballCD32 19.99	Operation Stealth11.99	
Eye Of The Beholder 212.99	OscarA500 or A1200 17.99	
Eye of Beholder 112.99	Out To LunchA1200 17.99	
EXCELLENT GAMES22.99	Parasol Stars8.99	
ExileCD32 19.99	Perfect General(See Lords of Power)	
Exodus 301019.99	PERIHELION19.99	
F117.99	PGA Tour Golf +19.99	
F2910.99	PINBALL DREAMS + FANTASIES22.99	
F17 Challenge/Project XCD32 17.99	PINBALL FANTASIESA1200 19.99	
F19 Stealth Fighter11.99	PINBALL FANTASIESCD32 24.99	
F17A Nighthawk Stealth Fighter22.99	Pinball Magic6.99	
FA PREMIER LEAGUE FOOTBALL17.99	Pirates GoldCD32 19.99	
Fantastic Dizzy10.99	Police Quest 112.99	
Fat Man17.99	Populous 2(See Excellent Games)	
Fields Of Glory22.99	Powermonger & Data Disk12.99	
Fire ForceCD32 19.99	PremiereCD32 12.99	
First Samurai + Mega-Lo-Mania19.99	PREMIER MANAGER 217.99	
Flash Back26.99	Prince Of Persia6.99	
Flight of the Intruder10.99	Project X10.99	
FLIGHT SIMULATOR 224.99	Project XCD32 12.99	
Flight Sim 2 Great Britain Scenery26.99	Project x/F17 ChallengeCD32 17.99	
Flight Sim 2 Japan Scenery13.99	Psycho KillerCD32 22.99	
Flight Sim 2 Hawaiian Scenery13.99	Pro Tennis Tour 2 - Jimmy Connors Great Courts 28.99	
Flight Sim 2 USA No 7 Washington Scenery13.99	PUGGSY19.99	
Flight Sim 2 USA No 9 Chicago Scenery13.99	Qwak9.99	
Flight Sim 2 USA No 11 Detroit Scenery13.99	Qwak/Alien BreedCD32 17.99	
	Quest For Glory 112.99	

SPECIAL OFFERS

Arabian Knights	9.99
Body Blows	12.99
Chuck Rock	10.99
Dizzy Panic	6.96
Jack Nicklaus Unlimited golf	12.99
J Nicklaus Course Designers Clip art Vol	17.99
Kick Off + Extra Time	8.99
Kick Off 2 Final Whistle	7.99
Kick Off 2 Winning Tactics	5.99
Sabre Team	9.99
Shadow Worlds	9.99
Super Tetris	12.99
Thunderstrike	5.99
Wing Commander	9.99
Zool	8.99

EDUCATIONAL

ADI English (All Ages)	17.99
ADI French (All Ages)	17.99
ADI Maths (All Ages)	17.99
ADI GCSE Maths-English or French	22.99
Better Spelling (8-10)	13.99
Better Maths (12-16)	13.99
Cave Maze (8-12)	10.99
Fun School 2 (6-8)	6.99
Fun School 2 (+8)	6.99
Fun School 2 (U6)	6.99
Fun School 4 (5-7)	16.99
Fun School 4 (7-11)	16.99
Fun School 4 (U5)	16.99
Fun School Paint + Create (over 5+)	17.99
Fun School Spelling Fair (7-13)	17.99
Fraction Goblins (8-13)	10.99
Junior Typist (5-10)	10.99
Magic Maths (4-5)	13.99
Maths Mania (8-12)	13.99
Maths Dragons (6-13)	10.99
Merlin Maths (7-11)	17.99
Mickey's 123's (2-5)	13.99
Mickey's ABC's (2-5)	13.99
Mickey's Jigsaw Puzzles (5+)	13.99
Mickey's Colours & Shapes (2-5)	13.99
Mickey's Memory Challenge (5+)	13.99
Noddy's Big Adventure	16.99
Noddy's Play Time (3+)	16.99
Picture Fractions (7-10)	10.99
Playschool (3-8)	9.99
Playroom (3-8)	17.99
Reasoning With Trolls (5-12)	10.99

JUNIOR ADVENTURE

Robin Hood (8 +)	13.99
Scrooge (A Christmas Carol) (8+)	13.99
The Three Bears (5-10)	13.99
Wind In The Willows (6+)	13.99
Wizard Of Oz	13.99

JOYSTICK & ACCESSORIES

10 Capacity 3.5" Disk Box	1.99
40 Capacity 3.5" Disk Box	4.99
50 Capacity 3.5" Disk Box	5.99
80 Capacity 3.5" Disk Box	6.99
100 Capacity 3.5" Disk Box	7.99
Analog Adaptor	4.99
Cheetah 125+	7.99
Cheetah Bug	11.99
Competition Pro Extra	14.99
Freewheel Steering Wheel	24.99
Gravis Advanced Switch Joystick	22.99
Mousemat	1.99
Gravis Game Pad	15.99
Quickjoy Jettfighter	11.99
Quickjoy Pedals	17.99
Quickjoy Topstar	17.99
Quickjoy Turbo	10.99
Suncom Slik Stick	5.99
Suncom Tac 2	7.99
Wico "q" Stick	4.99

3.5" BLANK DISKS

	TDK VERBATIM	PRECISION BOXED	UNBRAN- DED LOOSE	RECYCLED LOOSE
10	7.99	6.49	5.99	4.50
20	14.50	11.99	10.99	8.50
30	21.99	17.49	15.99	12.00
40	28.49	24.99	20.49	15.00
50	35.00	26.00	23.99	17.50
100	65.00	49.99	44.99	35.00

COMPILATIONS

FANTASTIC WORLDS - Mega Lo Mania, Pirates, Populous, Realms, Wonderland £22.99	AWARD WINNERS 2 Sensible Soccer, Zool, Jimmy Whites, Elite 1
LORDS OF POWER Silent Service 2, Red Baron, Railroad Tycoon, Perfect General £19.99	TEAM 17 VOL 1 Body Blows, Superfrog, Overdrive
DIZZY COLLECTION Fast Food, Kwix Snax, Fantasy World Dizzy, Treasure Is. Dizzy, MagicLand Dizzy £16.99	SPACE LEGENDS Wing Commander, Elite, Mega Traveller 1 £19.99
DIZZY'S EXCELLENT ADVENTURES Dizzy Panic, Bubble Dizzy, Dizzy- Prince of York Folk, Spellbound Dizzy, Kwix Snax £16.99	SPORTS MASTER European Championship 1992, PGA Tour Golf, Advantage Tennis, Indy 500 £19.99
	EXCELLENT GAMES ARCHER MACLEAN'S POOL, JAMES POND 2, SHUTTLE, POPULOUS 2 £22.99
	THE GREATEST - Jimmy White's Snooker, Lure of The Temptress, Dune £21.99

161

Screen Phone Dial

What's this, even more Comms information? Well, you asked for it and now you got it. So, your eyes are not deceiving you. Graham Mason gives you the low down on **NComm 3**.

✓ Title Bar

ANSI Pens

Screen Mode

Palette

Split Screen

✓ Style

Bell

Cursor Blink

Reset

WB Screen

Close WB Screen

Text Snapping

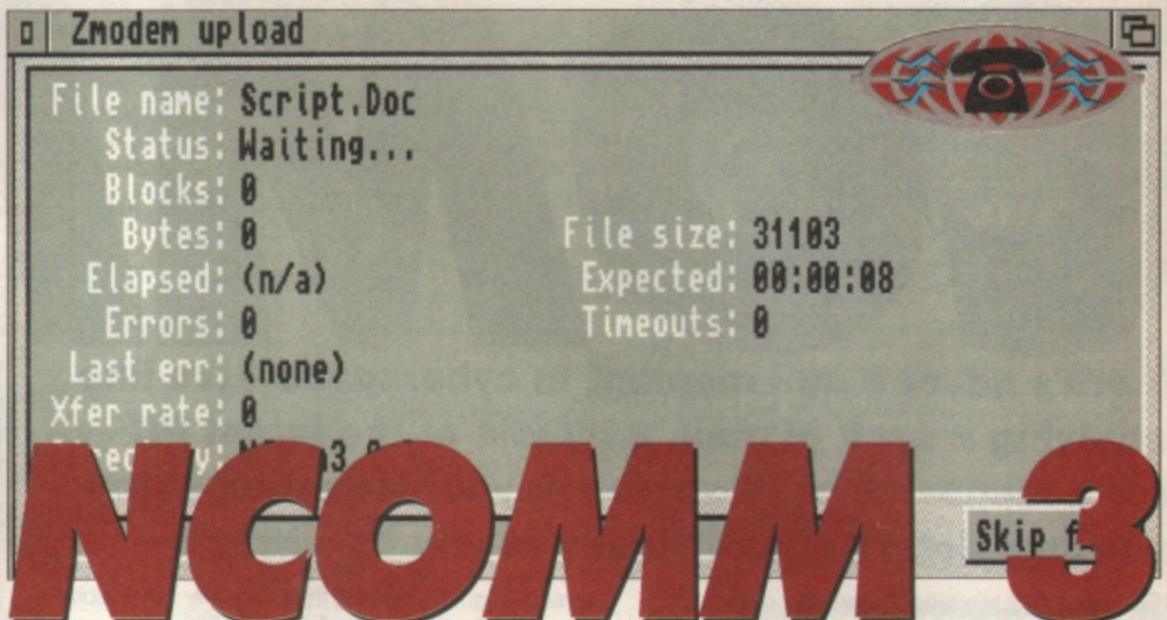
Force 80 x 24

Flashing Text

Custom Font

✓ Use WB Palette

Public Screen



January 1994 marked a milestone in Amiga modem users lives. The long-awaited update for *NComm 2* finally hit the scene. *NComm 2* has long been a product that modem users the world over have sworn by, a yardstick against which other terminal packages on the Amiga have been measured by. Could a new version ever manage to live up to this reputation? More to the point, would it be radically different enough to warrant upgrading to?

GET IT ON

Upon booting up *NComm 3* one thing becomes immediately apparent: the author of *NComm 2* has suffered so much at the hands of users who have taken advantage the program but never registered that he has disabled all the save functions from the program. Thus, while it's easy to configure the program on a session by session basis it gets to be so much of a chore that you will end up registering the package if you use it frequently.

Changes from version two to version three also become obvious: the bugs which caused the old version to crash have largely been ironed out while XPR protocol support has now been included. The XPR system is like a large library of file transfer protocols, (eg, zmodem is called XPRzmodem) and this file support means you can use many older types of file format. Major detail has also been paid to the way that the screen is laid out, for instance, the screen modes which are selectable to use with *NComm* is no longer limited to plain high res. Now, if your Amiga has an enhanced graphics card, *NComm 3* will be more than pleased to use it. Gone also is the rather limited *NComm* character set, this time any type of Amiga character set can be displayed on the *NComm 3* screen.

Close attention has also been paid to *Arexx* support. In fact it's now possible to talk to *NComm 3* solely via *Arexx* and not have to use the menu functions at all. Should you wish to have a script executed at, say 6pm, dial a friend, upload a file and then log off the facility, this has now been built in. Close attention has also been paid to today's

UPDATE

Registered users of *NComm 3* will now get version 3.04 which has further enhancements to the program as well as some added utils.

Registered version available from Torkiel Lodberg
Pilotveien 10, N-0384 Oslo, Norway.

high-speed modems and the rate at which they can transfer and receive data. With the need for high-speed modems to have serial port rates of 38400 bps and 57600 bps it's nice to see that these and greater speeds are also supported.

The way the screen handling routines have been optimised becomes apparent when you see the rate at which text just flies onto your screen. This is best illustrated by the fact that you don't notice that much difference in screen capabilities with trying this program running on an A4000 and if you compare it to a standard 1Mb A500.

My last point relates to file transfer: *NComm 3* covers every aspect of the zmodem file protocol, and any future updates to the protocol, if there are any, will covered via a configuration menu system.

GOLDEN OLDIES

Unfortunately there are a few memory problems for users of older Amigas. The programmer (a Mr. Torkiel Lodberg) recommends that *NComm 3* isn't used on Amigas with only 512k RAM, and to be honest I can see why; with the program using around 200k and with all the other file options that are built in, you would soon run out of memory. This really isn't a limitation though, I wouldn't think that there are that many 512k users left, especially among the Comms fraternity.

All is not lost for older machines though, provided you have over 1Mb of Ram. It's nice to see that the *reqtools.library* has been used extensively which allows a Workbench 1.3 Amiga to look like a Workbench 2.0 Amiga. In tests on my HST dual standard and on an A4000 the program performed effortlessly. I transferred a few programs to local BBSs with no problems and noticed that, if anything, the rate of the transfer performed about five percent better than *NComm 2*.

CONCLUSION

This program has been a long time in the making and well worth it. If you check out your local PD libraries and bulletin boards you will find it, but it's more than well worth while registering for the complete package. Since starting to use this version my old *NComm 2* has been sent into retirement. We had a good and happy relationship together but sadly (sniff, I never thought I'd say this), it's time to pension it off in favour of its successor.

Init String	ATZn	Connect	CONNECT
Exit String		Remote Ring	RINGn
Dial Cnd (1)	ATDT	Disconnect	NO CARRIER
Dial Cnd (2)	ATDT	Busy	BUSY
Dial Cnd (3)	ATDT	Voice	VOICE
Dial Cnd (4)	ATDT	No Dialtone	NO DIALTONE
Dial Suffix	n	Ring	RINGING
Hangup Cnd	n	No Answer	NO ANSWER
Delay	0	Error	ERROR
	Loop Delay	Delayed	DELAYED
	Use Locked Rate : Yes		
	Drop-DTR Hangup : Yes		
	Hard-DCD Checking: Yes		
		Avoid Blacklist : No	
		Ignore Echo : No	



Designed to bring you high quality and performance at affordable prices, Amitek peripherals offer outstanding value-for-money. They are built to ensure easy fitting, and trouble free operation - making them a pleasure to use. Amitek products are also thoroughly tested and very reliable, so reliable that we are pleased to offer a full two year warranty on the Amitek products detailed here.

AMITEK - 'FRIENDLY TECHNOLOGY'

AMIGA PERIPHERALS

FOR ALL AMIGA SYSTEMS

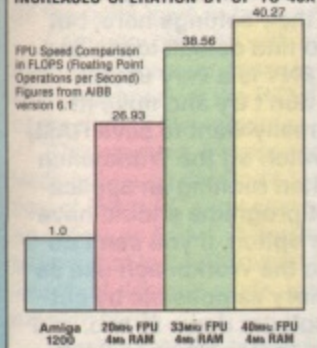


HAWK RAM UPGRADE & MATHS ACCELERATOR

FOR THE AMIGA 1200

Maximise the processing power of your standard A1200. Be ready for the new generation of software which makes more demands on Amiga memory and technology. The Amitek Hawk RAM expansion includes up to 8Mb fast 32-bit RAM, the ability to support a sophisticated 68882 FPU (Floating Point Unit - drastically increases the speed of maths intensive operations) and a battery backed up clock. Built to a high standard, this board can be easily installed and comes with a 2 year warranty. The Hawk RAM board is available in 9 pre-configured versions enabling you to select the model which best suits your requirements.

INCREASES OPERATION BY UP TO 40X



- 1Mb, 2Mb & 8Mb RAM versions available with or without Floating Point Unit
- 2 YEAR WARRANTY
- BUILT-IN BATTERY BACKED CLOCK
- Plugs straight into A1200 trapdoor - No soldering required
- Upgradeable FAST RAM board to 1, 2, 4 or 8Mb
- Uses industry standard socketed SIMMs for easy upgrades
- Two types of optional Floating Point Unit - 33MHz or 40MHz PLCC 68882 co-processor
- Comprehensive easy to follow manual with illustrations
- Works with all A1200 and A1200HD computers
- Does not invalidate your A1200 warranty
- 2 year warranty

	NO FPU	33 MHz FPU	40 MHz FPU
1 Mb RAM	£99	£159	-
2 Mb RAM	£139	£199	-
4 Mb RAM	£199	£259	£299
8 Mb RAM	£399	-	£499

PRICES FROM ONLY

1Mb RAM, NO FPU
£99
INC VAT - RAM 1210



1Mb SONY 3 1/2" DELUXE FLOPPY DRIVE

FOR ALL AMIGA COMPUTERS



DELUXE FEATURES
The Amitek drive has been specially designed to meet the needs of Amiga users and has many deluxe features which are not included in other drives - check out the competition!

ANTI-CLICK
The anti-click feature stops your drive from making lengthy whirs and clicks that occur when the drive is empty and searching for a disk.

ANTI-VIRUS
The switchable Anti-Virus mode stops track 0 viruses infecting the disk while in the drive. Yet, unlike many other drives which have virus killers, this Anti-Virus mode can be disabled, allowing some fussy copy protected software to run.

ADD ADDITIONAL DRIVES
As a double sided mechanism, the Amitek drive gives 880K of disk space after formatting. It is also daisy-chainable, which means that you may add further drives to your system and, uses very little power from your Amiga.

HIGH QUALITY SONY MECHANISM
Amitek took the time to source a mechanism that has all the features, quality and reliability that Amiga owners have been crying out for. After vigorously testing Sony's mechanism, it proved to be the best by far available.

- HIGH QUALITY 3 1/2" SONY MECHANISM
- STRONG METAL CASING
- BUILT-IN ANTI-CLICK FEATURE
- SWITCHABLE ANTI-VIRUS MODE
- ENABLE/DISABLE SWITCH

- 75MS ACCESS TIME
- DAISY CHAINABLE VIA THRU PORT
- LOW POWER USAGE
- NO NEED FOR EXTERNAL PSU
- 2 YEAR WARRANTY

Details taken from models available MARCH '84	ANTI-CLICK	ANTI-VIRUS	STRONG METAL CASE	QUALITY SONY MECHANISM	TOP RATED CU-AMIGA MAY '84 90%	2 YEAR WARRANTY
AMITEK	✓	✓	✓	✓	✓	✓
CUMANA	-	-	✓	-	-	-
POWER E	✓	-	✓	✓	-	-
ZAPPO	-	-	✓	-	-	-

EXTERNAL DRIVE
£59
INC VAT - DRI 1159

1Mb INTERNAL FLOPPY DRIVE

AMITEK FOR AMIGA 500/500PLUS

The internal Amitek replacement drive is ideal for users who wish to replace their existing internal drive. The pack features a high quality internal 1Mb, 3 1/2" drive mechanism for the Amiga 500/500PLUS. All you need to fit the drive is included, plus easy to follow fitting instructions and 24 months replacement guarantee.

PCMCIA CARDS

FOR AMIGA 600/1200

For sheer ease of use and flexibility you can't beat Amitek's PCMCIA RAM upgrades. These compact credit card sized upgrades slot into the PCMCIA port on your A600 or A1200, increasing the RAM by 2Mb or 4Mb.

MODULATOR

FOR ALL AMIGAS

The Amitek External Modulator makes an ideal replacement modulator for all Amiga owners. Everything needed is supplied. Like all Amitek peripherals, it comes with an easy to follow manual.

RAM UPGRADES

FOR AMIGA 500/600

Many business packages and advanced games require more than your Amiga's standard memory capacity to run at their full potential. The Amitek range of RAM upgrades is the perfect way to add that extra memory capacity to your system. The following RAM upgrades are all trapdoor cards and fitting will not affect your Amiga's warranty.

THE SILICA SERVICE

Before you decide when to buy your new Amiga products, we suggest you think very carefully about WHERE you buy them. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals or software, or help and advice. And, will the company you buy from contact you with details of new products? At Silica, we ensure that you will have nothing to worry about. We can meet our customers' requirements with an understanding which is second to none. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Service".

- **FREE OVERNIGHT DELIVERY:** On all hardware orders shipped in the UK mainland (there is a small charge for Saturday delivery).
- **TECHNICAL SUPPORT HELPLINE:** A team of technical experts will be at your service.
- **PRICE MATCH:** We match competitors on a "Same product - Same price" basis.
- **ESTABLISHED 15 YEARS:** We have a proven track record in professional computer sales.

MAIL ORDER

PLUS TECHNICAL AND HEAD OFFICE

081-309 1111

1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 5SS

PLUS BRANCHES AT:

- CHELMSFORD** Tel: 0245 355511
Debenhams (2nd Floor), 27 High St, Chelmsford, Essex, CM1 1DA
- CROYDON** Tel: 081-688 4455
Debenhams (2nd Floor), 11-31 North End, Croydon, Surrey, CR9 1RQ
- GLASGOW** Tel: 041-221 0088
Debenhams (2nd Floor), 97 Argyle St, Glasgow, Strathclyde, G2 8AR
- IPSWICH** Tel: 0473 221313
Debenhams (2nd Floor), Westgate Street, Ipswich, IP1 3EH
- LONDON**
52 Tottenham Court Road Tel: 071-580 4000
Debenhams (3rd Floor), 334 Oxford St Tel: 071-493 3735
Selfridges (Basement Area), 369 Oxford St Tel: 071-629 1234
- MANCHESTER** Tel: 061-832 8666
Debenhams (3rd Floor), Market Street, Manchester, M60 1TA
- SIDCUP** Tel: 081-302 8811
1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX
- SOUTHEND** Tel: 0702 468039
Keddies (2nd Floor), High St, Southend-on-Sea, Essex, SS1 1LA

To: Silica, CMUSR-0694-125, 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLEASE SEND ME A 64 PAGE AMIGA CATALOGUE

Mr/Mrs/Miss/Ms: _____ Initials: _____

Surname: _____

Company (if applicable): _____

Address: _____

Postcode: _____

Tel (Home): _____

Tel (Work): _____

Which computer(s), if any, do you own? _____



Questions answered, problems solved. The Q&A boys are on the ball!



JOHN KENNEDY
Some time ago John repaired a

broken A4000 on an alien spaceship, and in return they built him a nice new office near his home. Lucky, eh?



ANDY LEANING
Andy has just moved into new

premises too - a brand new house. Needless to say it has been designed to look like an Amiga!

MUMMY SAYS...



I am a novice Amiga user and I know absolutely nothing about how to use my brand new A1200. Please can you give me

some advice and a few pointers.

1. My Amiga has no hard drive and no external floppy drive, and I find the constant disk swapping very irritating. I'm also worried that it might damage my machine. My mother says that the machine must be built for this, is she right?

2. I would like to learn a programming language to create demos and games, but I find most languages very hard to use - even Easy Amos.

3. I cannot understand AmigaDOS at all.

4. I have very little money, and I would like some good cheap software? Where could I get some?
A.N.Other, Forrest Hills, Camberley, Surrey.

Too shy to put your name, eh?
Welcome to the wonderful world

of Amiga. It won't be long before you're an Amiga expert just like me (*big head - ed*), so keep on in there. To answer your questions:

1. Always listen to your mother. Although swapping disks is a time consuming and tedious task, as long as you don't use excessive force the drive should continue to work for a long time to come. Remember, your Amiga has a year's warranty. I've been using an A500 for many years now, and the drive still works perfectly.

2. You can't understand Easy Amos? Really? Do you have the full package, with the manuals and everything? If you try reading through the manuals again they should be able to help you.

3. Don't worry about AmigaDOS, most people don't understand it. This isn't helped by Commodore's decision to not include an AmigaDOS manual with the A1200. If you are keen to learn about it then keep reading CU AMIGA, or nip down to your local library and ask them to get in any

of the relevant (and useful) Bruce Smith Books.

4. Ask your mum for some pocket money, and send it off to 17 Bit Software (tel: 0924 366982). Ask them for the best A1200 demos they've got - *Nine Fingers* is quite clever.

MISSING RAM



I have an Amiga 4000/030, 4Mb of fast RAM, 2Mb of chip RAM and a 240Mb hard drive. However, my RAM disk

always has 75K occupied even when there aren't any programs or background tasks running. When I search the RAM disk in the Shell, there appears to be three directories using this space: ENV, Clipboards and T. I have tried to delete these three directories but the computer tells me that they are in use, even when they appear not to be.

This is extremely annoying because it eats up my precious RAM! Can these files be installed on the hard disk instead? Why are they there and how can I delete them?
Steven Browne, Darby Green, Camberley, Surrey.

Personally, I think 75K is a small drop in the ocean of a whopping 4Mb of RAM. The files you mention as occupying too much space are actually good things - you shouldn't delete them.

The reason they are 'in use' even when there aren't any programs running is because the operating system is using them. Therefore it would be extremely ill-advised to delete them.

The T drawer is a temporary

storage place. Many programs use it, and having it in RAM speeds up a lot of operations. If you edit the startup-sequence you can alter it to reside on the hard disk if you really want, although the benefits are negligible.

The clipboard is an extremely useful concept. Many programs allow cutting and pasting, but the really clever ones will all support the clipboard. This means one program can cut some text, and another program can paste it. In the meantime the data is stored in the clipboard's directory.

During the startup-sequence, the ENVARC drawer is copied from the Workbench partition to the ENV drawer in RAM. This ENV directory contains all sorts of useful information. Some applications will keep their settings here, but you'll also find default icons and all sorts. ENV is a very useful thing, so don't try and nuke it!

If you really want to save RAM, always switch off the Workbench screen when running an application. Most programs should have this as an option. If you can't do this, make the Workbench use as little memory as possible by cutting the colours down to two, and shrink the screen down to 640X 200. This setting can be saved as a preference file, which you can then leave out on the Workbench.

Incidentally, I hope your A4000's fast memory is made up from a single 4Mb SIMM. If you have 4 x 1Mb SIMMs fitted, you'll have to throw them away when you need more memory. Actually, I had a bit of luck with a dealer that was prepared to give me a good trade-in deal on my two 1Mb SIMMs, so shop around.

INSTALL BLUES



I have an Amiga 1200 with 4Mb of RAM, a co-processor and a 185Mb hard drive. I have tried to install *Star Trek* and *Deluxe*

Paint IV but neither of these programs will run. How do I get these programs to run?

Also, how can I get programs such as *Maxiplan4* to use the higher resolution screens available, now that I am the proud owner of a Microvitec monitor?

Adrian Bernascone, Shoreham-by-sea, West Sussex.

I followed the instructions that came with *Star Trek* and didn't have any problems. So, I suggest you read the manual again very carefully. As *Deluxe Paint* came with your A1200 pack, there probably weren't any specific hard disk installation instructions. In this case, drag all the icons from the floppy to the hard disk but make

LETTER OF THE MONTH

Being a cosole (sic) owner as well as an amiga owner i thought that some things need clering (sic) up about the cd32 owners.

1. sell
2. stop hoping for convrsions (sic) of pc megacd games its (sic) not going to hapen (sic)
3. There was a rummor (sic) of x wing being converted guess what well its (sic) not
- 4 Dont (sic) listen to mags there (sic) full of bull
5. A1200 cd drive ha ha
6. buy a pc
7. use the cd32 as an ash tray
8. swop for mega cd
9. looking forward to tfx in february (sic) try june instead.
10. You have allways (sic) got liberation nice game pity about the graphics and slow down.
11. good buy (sic) you loosers

The CD32 Hate Club, whereabouts unknown.

Wow! Well, that's me put in my place. How could I possibly argue with such a well written, clear and accurate letter? I'll dump my Amiga and buy a Mega CD tomorrow.

How To Attract Girls

NEW. Scientists have now isolated and synthesised a natural female attractant - ANDROSTENONE PHEROMONE.

- "Minute quantities were sprayed on a chair in a dentist's waiting room. Women patients made straight for the chair" *Sunday Times*
- "Women are attracted to the smell" *Daily Telegraph*
- "The woman finds the man attractive but she doesn't know why." *Lifestyle*
- "The stuff attracts women like you would not believe." *Colorado Telegraph*

Successfully tested on BBC TV's "Tomorrows World".

CONTACT 18 contains ANDROSTENONE and Super ANDROSTENOL PHEROMONE and is the best quality, most effective pheromone attractant available. Don't be misled by cheaper (or more expensive) imitations. Comes in a discreet 15ml atomiser (lasts 3 months). It really works! User reports confirm success:

"CONTACT 18 really does seem to work! The most dramatic instances have occurred when wearing it at discos. Girls just drift towards me and start flirting." D.T. Cardiff.
"I knew CONTACT 18 wasn't a gimmick when one of the girls at work, quite out of character, started to seduce me when we were alone in the office." S.D. Nottingham.

Price £12.95
Postpaid



SPECIAL OFFER:
Order 2 (£25.90)
and get an extra
CONTACT 18 - FREE!

Fast despatch
under plain
cover
Trade Enquiries
Welcome

**MONEY BACK
GUARANTEE:**

If you are not 100% delighted
with CONTACT 18 simply return
remainder within 30 days for a
full refund - No questions asked.

**24 HR CREDIT CARD
HOTLINE**
0534 61 71 81

GKS RESEARCH
TECHNOLOGY,
P.O. Box 117,
St. Helier, JE4 8QZ

To: G.K.S. RESEARCH TECHNOLOGY, P.O. BOX 117, St. HELIER, JE4 8QZ

YES! Please rush mebottles of CONTACT 18. I enclose Cheque / P.O. for £..... (Foreign add £3)

Or debit my Access/Visa Act No.....

Signature.....Expiry Date.....

Name.....BLOCK

Address.....CAPITALS

Postcode.....PLEASE

Office Suite 3, 20 Brannan Place, Bath Street, St. Helier, Jersey JE2 4SU (but please use the above address which is a secure PO Box in a main Post Office) (CUA)

sure that the special *Deluxe Paint* font has also been added to your default fonts directory on the hard disk.

To get older programs such as *Maxiplan4* to use the new screen modes, use mode promotion from the *Prefs* program *IControl*. If this doesn't work, use one of the many PD utilities to force the screen mode. I have used *DoubleX* with great success.

PICK A CARD



I'm the proud owner of an A1200 with an 80Mb hard drive. Over the last year or so I've managed to find a use for almost

all the ports, give or take a few.

I am very pleased with my machine. However, there is a total lack of support for the PCMCIA port at the side of the computer.

This morning, I happened to be leafing through my Dad's latest edition of *What PC* and I came across an article on PCMCIA cards. It seems that in the PC world there is a wealth of different cards, including modem cards.

I realise that the port is meant to be a standard, so is it possible to use any of the cards you find in PC magazines in my Amiga? Also, why are the all cards I see advertised for memory only.
Stuart Lees, Dursley, Gloucestershire.

As you said, the PCMCIA slot is supposed to be standard, but there already are several different PCMCIA 'standards' and as a result several different-sized cards (II and III being the main culprits). However, this is not the main problem.

Theoretically, it's possible to stick any PCMCIA modem card in the Amiga's slot and use it. In practice it's not so easy, because no-one has released any driver software to use it.

The same goes for all the other cards - there is only a remote chance that there is any suitable driver software, while memory cards are supported by driver software in the operating system.

With the correct software, total compatibility is hard to come by: even in the PC world, it's not possible to guarantee that a card will work with any PC. PCMCIA is, at the moment, an evolving standard, and there is still a lot of work to be done.

However, on the bright side there are some peripherals that support the card slot. Apart from the many memory cards around, you can connect the excellent HiSoft (Tel: 0525 718181) VideoMaster digitiser. The PCMCIA slot runs considerably faster than the parallel port used by rival

digitisers (Rombo's (Tel: 0506 466601) VIDI for example). HiSoft are also rumoured to have a 12-bit sound sampler coming soon, which will connect via the PCMCIA slot. GVP are also working on a stereo sound sampler (which will coincidentally also work on PCs). If you look around, you will also find A1200 networking hardware and I suspect that a SCSI interface is on the cards (dreadful pun).

CD32 EXPANSION



I own an A500, but for some time I have been considering buying a CD32. Please answer the following questions:

1. Is there really an add-on keyboard and disk drive? If so, what would the benefits be, could I run my old A500 software on it, and could I use Workbench?

2. Would it be possible to link up the CD32 with my A500 and if so what equipment would I need? What benefits would it give me?

3. Finally, what games will be specially written for the CD32?
Darren Killoran, Lower Early, Reading.

1. At the time of writing, no - there isn't a add-on keyboard. There is some speculation that Commodore are going to release a keyboard but this hasn't been confirmed yet. This would add full A1200 functionality to the CD32, so yes, many A500 games would work and yes, you could use Workbench.

2. You can link a CD32 to an Amiga computer. Brian Fowler Computers (0392 499 755) produce a cable that uses the CD32's keyboard socket as a serial port, which means the CD32 can be connected via the serial version of *ParNet*. This means the CD-ROM drive can be used on the other Amiga as a device such as CD0: You can then use any of the dozen or so public domain compilation CDs available.

3. Keep reading CU AMIGA's CD32 news pages for details on the latest games and conversions.

I LIKE FLICKER



I am planning to buy an A1200 quite soon, with a monitor, but I am not sure which monitor to buy. Do I need a multisync monitor?

Besides *Deluxe Paint* AGA, do all of the Amiga specific games and applications actually use the high resolution displays that the multisync is needed for?

Also, I have seen a *Conner 15ms*

AMIGA REPAIRS

FIXED CHARGE ONLY £42.99 Incl.

FIXED CHARGE INCLUDES PARTS, LABOUR, DELIVERY, VAT

90 DAY WARRANTY ON ALL REPAIRS

24 HOUR TURN-AROUND ON 95% OF REPAIRS

ALL UPGRADES PURCHASED FROM US FITTED FREE WITH REPAIR

INCLUDES REPAIRS TO DRIVE & KEYBOARDS, ADD £10.00

IF NEED REPLACING, FULL DIAGNOSTIC TEST AND SERVICE

Est.
12 Years

In
Stock

SPECIAL OFFERS

New Low
Price

A500 INTERNAL DRIVE £38.99

Simple to fit, fully documented

A600/A1200 INTERNAL DRIVE £41.90

Simple to fit, fully documented

KICKSTART 1.3 ROM £25.00

For software compatibility

KICKSTART 2.05 ROM £29.90

Upgrade to A500+ROM

SUPER DENISE £28.70

Excellent value

68000 CPU £15.00

A500 MODULATOR £18.80

Exchange repair

A500 KEYBOARDS £44.10

Factory new, Genuine part

FATTER AGNUS 8372A £36.50

1 Meg chipram compatible

CIA IC £9.20

Printer, Serial, Drive ports

GARY IC £11.50

PAULA IC £19.95

A500 PSU £25.00

ATTENTION ALL DEALERS

Our company now offer the most competitive dealer repair service.

Full credit facilities available

Send for our Free information pack today...

We reserve the right to refuse repair for whatever reasons

Prices only valid with this coupon

Service HOTLINE (0533) 470059

DART Computer Services

105 London Road

LEICESTER LE2 0PF



DART
Computer Services

CU 594

» internal IDE hard drive advertised for £129.99 and would like to know of this is good value. It has 64Mbs. And, is it easy to fit at home?
Graham Gordon, Birmingham.

No, you don't need a multisync monitor. As the A1200 can be used with an ordinary television set, the video output must be about 15KHz. This means it can work perfectly with a standard colour monitor such as the Commodore 1084S.

However, try this. Adjust your workbench screen so that it is 640 by 512, the screen will be in an interlaced mode. Looks nice doesn't it? Lots of room for icons and windows. Notice how the fonts in a DTP or Page Publisher program look great. Pity about the flickering though.

With a multisync monitor, the flickering will disappear. It's as simple as that: larger displays, no flicker. If you can live with smaller-sized screens or you don't mind the flicker, then you don't need a multisync. You can still use all the extra colour modes offered by the AGA chipset.

All games use the lo-res modes so that they can be displayed on television, and so a multisync would have absolutely no benefit if that is all your Amiga is used for. On the other hand, most productivity software titles now make use of the new screen modes and so, when using *Final Writer* or *Wordworth*, the screen displays are all correctly proportioned and very easy to work with.

The value of the hard drive depends on if it has a 2.5 inch or a 3.5 inch mechanism. The smaller drives are easy to fit but a bit expensive. The 3.5 inch drives are cheaper but require a bit of effort. I still think 64Mb is too small, and you should try for 130Mb or 214Mb for a first drive if you can possibly afford it. Certainly, any less than 64Mb and you will be wasting your money - you'll fill it within weeks.

HONESTY WINS



I am 15 years old and I own an Amiga 600. I have dabbled with AMOS and have come to the conclusion that it is crap. I apologise for the language, but I like to be honest and straight to the point, and I hope you will be too (no boffin jargon please).

I want to use my Amiga to learn to program, in the hope that one day I will be the number cruncher behind some future Amiga titles, but I have come to realise that AMOS is not the way forward. I have sold my copy of AMOS and now I would like to ask a few questions:

1. Is the next step C?
2. I've had a peek at *Blitz Basic 2*, is it worth taking a better look?
3. Is there an Action Replay cartridge available for the A600?
4. If not, why not?
5. What is the difference between C and Assembler?
6. Which program is used by the biggest percentage of software houses? Can you name two top games written in this?
7. Which program is likely to lead me to:

- a. A career in programming?
- b. Grief?

8. Where can I get any of these programs from, and how much are they likely to cost?

9. What do you advise me to do? Please help.

I am serious about wanting to code, and really want to make it more than just a hobby.
Mike Howard, Runcorn, Cheshire.

I'm sorry that you've written off AMOS so quickly. AMOS is a good programming package, as it offers an integrated programming environment (editor, interpreter and so on) in one easy-to-use unit. It is also very fast and allows good use of the Amiga hardware. Many fine programs have been written in AMOS.

By the way, the term 'number cruncher' normally refers to computer hardware, you don't want to grow up to be a microprocessor do you?

1. The language C could well be the next step, but it depends where you are going.
2. *Blitz 2* is very good. Unfortunately, it is also BASIC-based like AMOS, so you might think it's crap. I think it is an excellent system though.
3. No, there isn't an Action Replay cartridge for the A600.
4. There isn't a suitable expansion port on the A600 to stick it in.
5. They are completely different languages. C uses vaguely english-like statements:

```
int i; for (i=0; i<10; i++)
{printf("%d\n");}
```

Assembler uses more simple instructions like:

```
move.w #10,d0 .loop jsr
_printnumber dbf.w d0
```

Assembler is very machine specific (the Amiga and PCs use totally different assembly languages) but very quick. C is also fast, but it is also platform independent - apart for the graphics and sound parts, a C program will run on an Amiga, a PC or a Mac. When writing games it is usually best to use a combination of both.

Neither language comes with any graphics or sound support, it's entirely up to you to write it all. This is what makes AMOS and *Blitz* so easy to use - all the hard stuff has been done for you.

6. Most software houses will use assembler, although some of

the more far-sighted use C and C++. Pick any game in the Amiga charts and it will be almost totally Assembler, with bits of C here and there.

7.

a. The best language to learn would be C or C++.

b. It could be C. It's not easy, but try COBOL for some real suffering.

8. You can get good C compilers from most Public Domain libraries. Look out for *DICE* and *North C*. There are also Assemblers in the Public Domain too, such as *ASM68K*.

9. The choice of programming language isn't half as important as the way you program. Most software could have been written in any language, it's the way you write it that's important. Learning to program is independent of which language you use.

If you want to make programming your career, do some A levels and go to university. Get a BSc or BEng in Computer Science and start work for IBM, ICL or any other big company. Some colleges are starting courses specifically in programming video games, so ask your careers teacher at school.

Alternatively, learn to program (trying as many languages as possible) and bluff your way onto a large computer company's aptitude test.

ANSI ART ATTACK



I've been buying CU AMIGA for a year and a half now, and I've read all the tutorials. However, I haven't seen any tutorials about ANSI/ASCII

art. What about a tutorial or an ANSI/ASCII art gallery? I know it's a lot to ask but will you at least think about it?

I am co-sysop of a board called Blue Steel BBS and the boys and I have just started to draw some brand new screens which will hopefully impress our users.

Why not come and have a look at the ANSI screens? Call our BBS on 0742-874054.

Craig Mellon, Swallownest, Sheffield.

Why do I get the feeling that your letter was just some poor attempt at getting a free plug for your board? Anyway, to those for whom ANSI art is a complete mystery, let me explain.

Normally, when you use your modem to dial onto a Bulletin Board System (BBS) you get pretty boring on screen text. However, if your software (for example *NComm* or the fabby *TERM* - both available from public domain libraries), supports ANSI graphics you can view some

coloured pictures. The resolution isn't great (about Teletext standard) but anything is an improvement on boring text.

Craig, if enough people send in ANSI screens I'm sure there can be an Art Gallery special. In the meantime, please send some of your best pictures to illustrate the *Wired World* column.

Incidentally, any other Sysops wanting a plug, please write to *Wired World*, or drop me an Email c/o Fidonet (my address is 2:443/13.4 and my Boss is Colin Turner at The Heart of Gold - tel: 0247-274919).

BASIC APPROACH



Please find enclosed a copy of a letter that I sent you in December 1993, and as yet I have had no reply in CU AMIGA,

which I can't just understand.

As I pointed out, I am a newcomer to Amiga computing, and I thought you would give a bit more thought to us novices, besides which I thought your magazine was maybe the best one to buy as I have heard a bit of praise from others who read it.

Well that takes care of my little moan, now maybe you can help me with the following questions.

1. How do I go about entering BASIC into my computer, and what is the best language to learn?
2. Do I have to buy special software for the above?
3. How do I make any of my programs bootable?

John Robinson, Hartlepool, Cleveland.

I'm sorry, but there simply isn't space to answer every letter sent to Q&A. The space is limited, and we have to make best use of what we've got. Your last letter just didn't make it.

1. The Amiga doesn't have a programming language built in. You can try and use the supplied *Arrex* language to start with, but I suggest you buy a BASIC programming package such as *Easy AMOS* or *Blitz Basic*. Although C and Assembler can be described as more powerful languages, I strongly recommend you try AMOS or *Blitz* first.

2. Yes. Try Hisoft (Tel: 0525 718181) and Europress Software (Tel: 0625 859333).

3. This depends on the particular programming package you use, some won't create a individual stand-alone program, in which case you're stuck. Otherwise, it's a matter of copying the program icon into the WB Startup drawer, or inserting the name of the program in the User-startup file in the S: directory.

SEIKOSHA QUALITY PRINTERS

PRICES FROM ONLY £109
FREE DELIVERY • FREE PRINTER KIT WITH DOT MATRIX PRINTERS

FREE! FROM SILICA
• **DELIVERY** Next day - anywhere in the UK mainland.
• **HELPLINE** Technical helpline during office hours.
• **AMIGA DRIVER** Seiksha Plus Printer Driver with SL-96
For extra high quality output. Features include:
• Definable Other Routines • Up to 256 Shades of Grey
• 16-point Colour Adjustment • Enhanced Print Speeds
• Ink Compensation Correction • Controls Printer Types, Margins
• Workbench 2/3 GUI Graphics/Paper Size, Margins
• **PRINTER KIT** With Seiksha dot matrix printers



Every Seiksha dot matrix printer from Silica comes with a FREE Printer Kit, worth £29.58 inc VAT.

- 3 1/2" Disk with Amiga & ST Printer Drivers
- 1.8 Metre Parallel Printer Cable
- 200 Sheets of Quality Continuous Paper
- 50 Continuous Tractor Feed Address Labels
- 50 Continuous Tractor Feed Disk Labels

ACCESSORIES

CODE	DESCRIPTION	PRICE
SHEET FEEDERS		
PRA 8771	ASF for SpeedJet 200 - 70 sheets	£38.13
PRA 9020	Cut Sheet Feeder - SP2000/2400/1900+	£98.35
PRA 9032	Cut Sheet Feeder - SL90/92/95	£86.35
RIBBONS		
RIB 8018	Black Fabric Ribbon - SP1900 Plus	£5.46
RIB 8025	Black Carbon Ribbon - SP1900 Plus	£8.64
RIB 8292	Black Carbon Ribbon - SL90/92/95/96	£8.99
RIB 8294	Black Fabric Ribbon - SL90/92/95/96	£4.13
RIB 8296	Colour Ribbon - SL95/96	£11.25
INKJET CARTRIDGES		
RIB 1182	Inkjet Head - SpeedJet 200 (inc 2 cartridges)	£25.00
RIB 1193	Inkjet Pack - SpeedJet 200 (2 cartridges)	£6.69
RIB 1205	Inkjet Cartridge - SpeedJet 300	£44.25

SPECIAL OFFER



PRINTER STAND FOR SEIKOSHA 80 COLUMN DOT MATRIX PRINTERS

- Adjustable two piece printer stand
 - Helps keep pace with Seiksha printer's powerful paper handling
 - Saves space and protects continuous stationery from dust and damage
 - Compatible with bottom and rear feed printers
- LESS THAN HALF PRICE!**
When purchased with a Seiksha Printer

NORMAL RRP ~~£9.99~~
£4
+VAT=£4.70 PRA8700

FAST! LOW COST COLOUR
24 PIN 240 CPS 80 COLUMN

FREE! PRINTER KIT & DELIVERY
SEE LEFT



ON-SITE WARRANTY
1 YR - ONLY £10-VAT - POS 8515

- Seiksha SL-96
- 24 pin - Dot Matrix
- 240cps SDraft, 84cps LQ
- 42K Printer Buffer
- 2 Scalable Fonts + 8 Bitmap Fonts
- Parallel Interface
- Graphics Resolution: 360 x 360 dpi
- Epson LQ870 Emulation Colour Function
- Colour Windows Driver as Standard
- Colour Printing as Standard (Includes Colour Ribbon - Black Ribbon Optional)
- Friction Feed/Push Tractor
- Optional Automatic Cut Sheet Feeder
- FREE Silica Printer Starter Kit

RRP £249 **SAVE £80**

PRINTER RRP £249
PRINTER KIT £25
TOTAL VALUE: £274
SAVING: £105
SILICA PRICE: £169

£169
+ VAT = £198.58 PRI 8311

IDEAL STARTER MODEL
9 PIN 192 CPS 80 COLUMN

FREE! PRINTER KIT & DELIVERY
SEE LEFT



ON-SITE WARRANTY
1 YR - ONLY £10-VAT - POS 8515

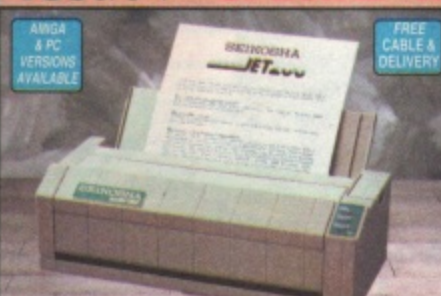
- Seiksha SP-1900 Plus
- 9-Pin Dot Matrix
- 80 Column
- 192cps Draft, 48cps NLQ
- 1K Printer Buffer + 2 Fonts
- Parallel Interface
- Graphics Resolution: 144 x 72dpi
- Epson and IBM Emulation (Windows compatible using Epson/HP drivers included as standard in Windows 3.1.)
- Automatic Sheet Feeder Option
- Auto Paper Load, Paper Parking
- FREE Silica Printer Starter Kit

RRP £149 **SAVE £40**

PRINTER RRP £149
PRINTER KIT £25
TOTAL VALUE: £174
SAVING: £65
SILICA PRICE: £109

£109
+ VAT = £128.08 PRI 8195

180 CPS SPECIAL VALUE INKJETS 30 CPS



ON-SITE WARRANTY
1 YR - ONLY £10-VAT - POS 8515

- SpeedJET 200 - Inkjet Printer
- 50 Nozzle Inkjet Head
- 180 CPS Draft, 120 CPS LQ (10cpi)
- 128K Printer Buffer - 3 Built-In Fonts
- 1 x IC Slot for Buffer Expansion/Fonts
- Parallel Interface - Graphic Resolution 300 x 300dpi
- HP Deskjet Plus Emulation (PCL3+)
- Windows Driver Standard
- Semi Automatic Single Sheet Feeder
- Optional Automatic Sheet Feeder - 70 Sheets (£35 + VAT)
- Ultra-Quiet - Less Than 45 dB/A

NEW LOW PRICE!
RRP £248
SAVE £76

PRINTER RRP £235
TOTAL VALUE: £235
SAVING: £76
SILICA PRICE: £159

£159
+VAT=£196.83



ON-SITE WARRANTY
1 YR - ONLY £10-VAT - POS 8515

- SpeedJET 300 - Inkjet Printer
- High Capacity 128 Nozzle Head
- 24K Printer Buffer - 3 Built-In Fonts
- Large Ink Tank - up to 4.2 Million Characters
- 300 CPS Draft - 300 CPS LQ (10cpi)
- 80% Faster Than Most of the Competition
- 2 IC Card Slots for Buffer Expansion + Fonts
- Parallel Interface - Optional Serial Interface
- Graphics Res. 300 x 300dpi
- HP Deskjet Emulation PCL3 - (Windows compatible using Epson/HP drivers included as standard in Windows 3.1.)
- Built-in Auto Sheet Feeder - 100 Sheets
- Economical to Run - only 1.3p per page
- Ultra Quiet - 46dB(A) Maximum

NEW LOW PRICE!
RRP £248
SAVE £150

PRINTER RRP £399
TOTAL VALUE: £399
SAVING: £150
SILICA PRICE: £209

£209
+VAT=£245.58 PRI 8030

24 PIN 240 CPS 80 COLUMN



ON-SITE WARRANTY
1 YR - ONLY £10-VAT - POS 8515

- Seiksha SL-90PLUS
- 24-Pin Dot Matrix
- 80 Column
- 240cps SD, 192cps D, 84cps LQ
- 20K Buffer + 9 Fonts
- Parallel Interface
- Graphics Resolution: 360 x 360dpi
- Epson LQ850 Emulation
- Windows Driver as Standard
- Semi-Automatic Sheet Feeder, Paper Parking, Optional Automatic CSF
- FREE Silica Printer Starter Kit

NEW LOW PRICE!
RRP £248
SAVE £75

PRINTER RRP £235
TOTAL VALUE: £235
SAVING: £75
SILICA PRICE: £139

£139
+VAT=£170.32 PRI 8205



THE SILICA SERVICE

Before you decide when to buy your new printer, we suggest you think very carefully about WHERE you buy it. Consider what it will be like a few months after you have made your purchase, when you may require additional peripherals and accessories, or help and advice. And, will the company you buy from contact you with details of new products? At Silica, we ensure that you will have nothing to worry about. With our unrivalled experience and expertise, we can meet our customers' requirements with an understanding which is second to none. Complete and return the coupon now for our latest FREE literature and begin to experience the "Silica Service".

- **FREE OVERNIGHT DELIVERY:** On all hardware orders shipped in the UK mainland (there is a small charge for Saturday delivery).
- **TECHNICAL SUPPORT HELPLINE:** A team of technical experts will be at your service.
- **PRICE MATCH:** We match competitors on a "Same product - Same price" basis.
- **ESTABLISHED 15 YEARS:** We have a proven track record in professional computer sales.

- **PART OF A £50M A YEAR COMPANY:** With over 200 staff - We are solid, reliable and profitable.
- **BUSINESS + EDUCATION + GOVERNMENT:** Volume discounts are available. Tel: 081-309 0888.
- **SHOWROOMS:** We have demonstration facilities at all our stores.
- **THE FULL STOCK RANGE:** All of your computer requirements are available from one specialist supplier.
- **FREE CATALOGUES:** Will be mailed to you, with special reduced price offers, as well as details on all software and peripherals.
- **PAYMENT:** We accept most major credit cards, cash, cheque or monthly terms (APR 29.8% - written quotes on request).



MAIL ORDER

PLUS TECHNICAL AND HEAD OFFICE
081-309 1111

1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 5SS

PLUS BRANCHES AT:

- CHELMSFORD** Debenhams (2nd Floor), 27 High St, Chelmsford, Essex, CM1 1DA
Tel: 0245 355511
- CROYDON** Debenhams (2nd Floor), 11-31 North End, Croydon, Surrey, CR9 1RQ
Tel: 081-688 4455
- GLASGOW** Debenhams (5th Floor), 97 Argyle St, Glasgow, Strathclyde, G2 8AR
Tel: 041-221 0088
- IPSWICH** Debenhams (2nd Floor), Westgate Street, Ipswich, IP1 3EH
Tel: 0473 221313
- LONDON** 52 Tottenham Court Road
Debenhams (3rd Floor), 334 Oxford St
Tel: 071-580 4000
Tel: 071-493 3735
Selfridges (Basement Area), 369 Oxford St
Tel: 071-629 1234
- MANCHESTER** Debenhams (3rd Floor), Market Street, Manchester, M60 1TA
Tel: 061-832 8666
- SIDCUP** 1-4 The Mews, Hatherley Road, Sidcup, Kent, DA14 4DX
Tel: 081-302 8811
- SOUTHEND** Keddiess (2nd Floor), High St, Southend-on-Sea, Essex, SS1 1LA
Tel: 0702 468039

To: Silica, CMUSR-0694-84, 1-4 The Mews, Hatherley Rd, Sidcup, Kent, DA14 4DX

PLEASE SEND A BROCHURE ON THE SEIKOSHA RANGE

Mr/Mrs/Miss/Ms: _____ Initials: _____
Surname: _____
Company (if applicable): _____
Address: _____
Postcode: _____
Tel (Home): _____
Tel (Work): _____
Which computer(s), if any, do you own? _____

SOUND LAB

OctaMED 4 just isn't complete without a sampler plugged into it, but which one should you buy? Tony Horgan emerges from the lab with some answers...

PART 4



SOUND LAB

choose the one that's right for you.

All sampler cartridges come as a combined software and hardware package. The hardware contains the essential analogue-to-digital converter (the part that turns the sound wave into numbers that the computer can read). Just about all samplers plug into the parallel port at the back of the computer, and are compatible across all Amigas. Sound reproduction quality varies from one cartridge to another, but not to a great extent.

Last month we gave away the brilliant *OctaMED 4* music program, along with a stack of samples for you to use. There are even more samples on this month's coverdisks, but if you want to get the most out of *OctaMED*, you should start sampling your own sounds. Before starting to do this, however, you'll need a sampler cartridge. There are quite a few to choose from, with prices ranging from around £30 to over £200. Here's a quick guide to the main contenders to help you

The other side of the coin is the software. Now that you have *OctaMED*, you won't have to use the software that comes with the sampler. Even so, quite often the sampler's software will have extra editing features that you won't find in *OctaMED*, such as extra effects routines, real time effects processing, sampling into Fast RAM, hard disk recording and so on. So, bring forth the samplers...

16 BIT SAMPLERS

OctaMED uses the Amiga's standard 8-bit sampling and playback routines, so you can't use it directly with a 16-bit sampler. However, you could sample your sounds in 16 bits, and convert them to 8 bits. This might sound pointless, but the down-graded samples will sound clearer than if you had just sampled with 8 bits in the first place. The Sunrize AD516 board, together with the *Studio 16* software is the leading 16 bit Amiga sampler. It's a nice system, but it is geared towards creating soundtracks for audio-visual projects, rather than making music. Available from Premier Vision (tel: 071 274 4407) Price: £1,000.

Clarity 16 is a far cheaper option at £150, available from Microdeal (tel: 0525 713671). Unlike the Sunrize system, Clarity doesn't sample to a hard drive, choosing instead to play all its samples direct from RAM. The software is very basic, but allows you to trigger up to four samples from an external MIDI source, so long as your Amiga is fast enough. Clarity is probably best used as a sampler for use with a dedicated sample-playback unit.

AUDIO ENGINEER PLUS 2

**£159.99 HOBBYTE
TEL: 0727 856005**

As it is the most expensive 8-bit sampler available, you might expect Audio Engineer Plus 2 to be the best, and it is.

Unlike most other samplers that plug directly into the back of the Amiga, Audio Engineer's hardware has a short connecting ribbon, allowing you to place the unit on top of the Amiga, from where you can easily twiddle the controls on the front panel (users of the "big box" Amigas will find it less accessible). There's a "gain" knob on the

sampler to give you more control over the incoming sound level.

Sound quality from the cartridge is excellent, with the best frequency response across the sonic range of any 8-bit sampler.

The software too, is second to none. It can sample into Fast RAM, which is very handy, as you can take massive samples in one go, and then chop them up and save them out in more manageable chunks. It doesn't have a massive range of effects, but it's the only sampler to have a time-stretch feature.

Time stretching is when you alter the speed of a sample, without changing the pitch, or vice versa. It's very useful for getting long loops and vocals to fit in a different tempo, when you don't want to alter the tuning. Even if you don't need

that, the software is still the most comprehensive and user-friendly of the lot. However, whether it's worth paying four times as much as you would for a budget sampler is a question worth debating.

MEGALOSOUND

**£34.95 MICRODEAL
TEL: 0525 713671**

Now this is a bit more affordable. What's more, it's just about the best all-rounder after Audio Engineer. This cartridge also has a gain control, although it's a fairly little thing rather than a big knob. The cartridge itself is tiny, smaller than a box of Swan Vestas. There are no complaints on the sound quality side - everything comes through nice and clearly.

If you want effects, you're spoilt for choice here too. The software is loaded with echoes, reverb, filters, sweeping filters, distortion effects, tremolo, vibrato, phasers, smoothing, chorus, EQ filters and all kinds of tasty stuff. There's also a very clever looping feature that automatically finds loop points that sound smooth. You can even record samples direct to hard or floppy disk. The interface doesn't have any pull-down menus, which can be a bit of a pain if you don't know where certain features are, but that aside, it's hard to fault Megalosound. It's cheap, too!



TECHNOSOUND TURBO 2

**£49.99 NEW DIMENSIONS
TEL: 0291 690933**

Technosound has been around long enough to find its way into the heart of many Amiga users. The cartridge gives acceptable results, although it does introduce a little of its own background noise.

Features are in abundance when it comes to the software. There's hard disk recording, loads of real-time effects, a built-in sequencer and a RAM-scan mode for taking samples left in memory from previously loaded programs. You can also use the MIDI module mode to get your Amiga to act as an out-board MIDI device, to be controlled from a keyboard or a sequencer running on another system. The interface is clumsy, but if you can stand that, Technosound Turbo 2 would make a good buy.

DSS8 PLUS £69 SILICA SYSTEMS TEL: 081 309 1111

A clear plastic case gives DSS8 a trendier look than the other sub-£100 samplers, but apart from that, it's pretty much business as usual on the hardware side. It can be a bit noisy when used with the accompanying software, but strangely it performs better with third-party software.

It's not that heavy on features, but does have a handy tracker, and the interface is easy to use. One unique feature it does have, is the software high frequency filter. If you turn this on before sampling, you end up with a lot less hiss on your sound, which helps it grab very clean bass sounds. It's a bit over-priced for what's on offer, but does its job well.



Dominator One P.D.

Tel: (0709) 837488 10am - 6pm

1 to 5 Disks	£1.25 Each	All orders are on 100% error free disks.
6 to 10 Disks	£1.00 Each	LSD Legal Tools 1-140 £1.25 Each
11 to 15 Disks	85p Each	Fred Fish Disks 1-890 £1.15 Each
16 or more Disks	75p Each	JAM 1-10 £1.25 Each
All orders are sent first class.		Scope Disks 1-220 £1.25 Each
All orders are despatched the same day.		Assassins Games 1-140 £1.20 Each
Cheques are usually 5 days clearance		Grapevine Disks £4.00 Set of 3

PLEASE MAKE ALL CHEQUES/POSTAL ORDERS TO G.P. ROEBUCK

Some of our 3000 plus disks include:-

U108 MAGIC MENU V1.27	U111 VIRUS CHECKER V6.33	U115 LOCKPICK V2.0
U144 AGA BLANKERS (A1200 ONLY)	U145 DEGRADERS (1200 ONLY)	U149 POWERPACKER MINI CLONE
U152 PARNET (2 DISKS)	U153 MAGIC ICON (2.04 3.0 ONLY)	U154 UKDECAY MUSIC RIPPERS '94
U183 HOW TO CODE	U166 MAGIC WORKBENCH V2.1 (2D)	U185 GADJET TOOLS BOX V2.0
U187 REQUESTER TOOLS V2.1A	U188 TOOLS MANAGER V2.1 (2D)	U205 AMIBASE BOX II
U211 WORKBENCH 3.00 SCREENS	U217 EASY CALC PLUS	M148 DELITRACKER V1.38
M149 INTUITRACKER V1.50 (NOT 1.3)	M150 EXOTIC MUSIC RIPPER V2.14	M155 OCTAMED 8 MUSIC
M156 OCTAMED SONGS	M158 SHORT MODS 3	M159 SHORT MODS 4
M162 POWERPLAYER V3.9	D083 PANTA REHI (1200 ONLY)	D084 NOVA (1200 ONLY) (2 DISKS)
D099 TEXTURE MAP (1200 ONLY)	D087 RETINA BURN (1200 ONLY)	D090 BORON (1200 ONLY)
D091 SONIC THE HEDGEHOG	D188 MIND WARP (AGA)	D190 RETINA EURO 21 (AGA)
D191 WORLD OF COMMODORE	P100 MOTIV-8	P101 DOOP
ESP17 QUALITY TIME (5 MEG X4 D)	ESP18 BAIT MASKING	S018 EAU MADONNA
S032 CYNOSTIC SLIDES (1200 ONLY)	S033 STAR TREK SLIDES (1200 ONLY)	S035 NIGHTBREED (2D) (A1200 ONLY)
S041 AKIRA & XMEN SLIDES	S042 AKIRA SLIDES	S036 SENSATIONAL SLIDES (1200 ONLY)
Q008 SPECTRUM EMULATOR	Q004 SPECTRUM EM DATA DISK 1	Q005 SPECTRUM EM GAMES VOL1
Q009 SPECTRUM DATA DISKS (3D)	D193 WORLD OF MANGA (4 D) (AGA)	D187 LAST STAND ON HOTH (4D) (MIG)
U167 ICON PLUS (3 DISKS)	S042 MADONNA SEX (3 DISKS X)	M106 PROTRACKER V3.01b

Why not take advantage of our latest offer?
15 P.D. disks for £12.00

All disk prices include 1st class post & packing.

Any queries ring (0709) 837488

between 10am -6pm and we will be happy to sort them out.

We have 5 years Amiga experience and 3 years experience of P.D.

For a Free Catalogue Disk send a S.A.E. to:-

G.P.ROEBUCK, 11 The Maltings, Alma Road,
Rotherham, South Yorkshire, S60 2JA

TAKE THE RANDOM FACTOR OUT OF PD PURCHASING WITH...

SHATTERED IMAGE

We have individual catalogue disks for Utilities, Games, Demos and more, which contain full reviews of exactly what each title is and what it can do for you. This will give you a much better idea of what to spend your hard earned cash on. No more hit and miss with Shattered Image cat disks.
Catalogue disks are only £0.70 each including P&P and have as much free software on them as we could fit. All software comes on fully guaranteed disks and are checked for bugs, virii, errors, alien footprints and anything else we can think of before they are sent to you.
We also stock commercial hardware and software and can save you money on many items - Just let us know what you require and we'll snap twigs to get you the best price (12)
Here are a few of my favourite things...

LSD LEGAL TOOLS 1-151 * SCOPE COLLECTION 1-220 * ASSASSINS GAMES 1-167
* IMAGINATIVE COLLECTION 1-33 * T BAG 1-71 * FRED FISH 1-975 * 17 BIT COLLECTION 1-2800

DEMOS	UTILS	MISCELLANEOUS	SLIDESHOWS
Axis: Big Time Sens (2) AGA	Amiga E v2.1b	Home Wine Making	Fanatics Guide to Computers (2)
Xanadu: Explicit 2 (AGA)	Relokick v1.4	Astronomy v2.0	Fred Slideshow
Sanity: Arc	Amibase v3.76	Magnum	Andromeda 7 Seas
Movement: Numb (AGA)	Dividend Winner	Basic Tutor	Melon: Prizm

Plus a very large Education section, lots of Samples, Modules, Fonts, Literature, Music, Art, Disk Magazines - You name it we've got it, and if by some quirk of fate we DON'T have it - we will get it as quickly as possible for no extra charge.

DISK PRICES: 1-5 £1.50, 6-10 £1.25, 11-30 £1.00, 30+ P.O.A

Please add 50p P&P to any order inside the UK P&P for Europe and R.O.W. : P.O.A.

Free Humorous story "The Killer Penguins" to first 20 customers from this advert. Write to:

SHATTERED IMAGE (CU) 13 LA PORTE PRECINCT GRANGEMOUTH SCOTLAND FK3 8AZ

or phone: (0324) 472196 preferably between the hours of 10.30 & 5.30pm

Thanks ever so much for reading this it's been lovely talking to you!

WHY PAY £'S TO HAVE YOUR A500 REPAIRED

WHEN YOU CAN REPAIR IT YOURSELF AND SAVE YOURSELF £'S

THE A500 REPAIR MANUAL ENABLES BOTH THE NOVICE AND THE EXPERT TO CARRY OUT MOST REPAIRS TO THEIR AMIGA A500 AND COMES COMPLETE WITH A FREE DIAGNOSTIC DISK.

*** PRICE: £5.95 INC. POST AND PACKING ***

ASSASSINS GAMES 1 TO 160

1 DISK £1.00, 5 DISKS £4.50,

10 DISKS £8.00,

POST AND PACKING 70P

FREE GAMES AND CATALOGUE DISK

JUST SEND 2 FIRST CLASS STAMPS TO THE ADDRESS BELOW:

PLEASE MAKE CHEQUES/PO'S PAYABLE TO: A PLASKETT AND

SEND TO:

A PLASKETT

2B MEADOW SIDE, CHELMSFORD, ESSEX CM2 6LN

TEL: 0850 627066

AMIVISION SOFTWARE

Addictive and detailed multi-player formula one management simulation
Sign driver contracts from any of the 50 drivers, make engine and supplier deals.
Check the weather conditions and forecast, call up the track information and set up your cars for qualifying. Choose your wing settings and tyre compound as well as tuning the engines and even training your pit crew! Then its onto the race...the engines rev as the drivers await the green light...then suddenly the light changes and the cars zoom off the grid

FORMULA 1 Challenge v4

Watch the races as they unfold with three levels of highlights, monitor tyre wear and grip levels, make pitstops. Crashes, spins, pile-ups, car failures, stop/go penalties, weather changes, fastest & record laps pitstops, etc.

NOW with full 1994 season details: drivers, teams, circuits etc.

Accurate and detailed graphics of the cars, championship circuits etc. Qualifying, news section, realistic sound fx, load/save games, weather forecasts, statistics saved, sponsors, full drivers and constructors championships and so much more.

Please make cheques/Postal Orders payable to:- "S. RENNOCKS"

DEPT CU, 1, CHERRINGTON DRIVE, GREAT WYRLEY, WALSALL, WS6 6NE

ONLY £14.95

1MB required A1200 compatible

NJH PD

Dept CU, 23 West Street
Rochford Essex SS4 1BE
Tel: 0702 546191

Many more disks in stock if you can't see what you are after please phone and see if we have it. All disks will work on any Amiga unless otherwise stated. Full catalogue available for only £2.00 or 3 first class stamps.

FREE DISKS

Order 10 Disks Pick Another Disk Free
All orders are sent 1st class same day

UTILITIES

- Pool Predictor
- Crunchmania
- Procad
- BBC Emulator
- Vic 20 Emulator
- Stereoscopic
- XPX Disk Packer
- Disk Salv 2 (WB2/3)
- Imagine Obj+Tex(7)
- Crack And Copy
- 200 Utilities
- Text Engine 4.1
- Spectrum 1.7
- Spectrum Games (8)
- 600 Business Letters
- Memumaster 3
- Freecopy 1.8
- Lock Pick 2
- Kick 1.3
- No Errors
- D-Copy 3.1
- Hard Drive Utils
- Octamed 2
- Med Modules (3)
- Pacman Copy
- Grapevine 19 (3)
- PC Task 2

GAMES

- Soccer Cards USAe
- Ultimate Quiz
- High Octane
- Ork Attack
- Vektor
- Raid 4
- Mega Ball 2.1
- Picture Puzzle
- Starbase 13 (2)
- Stamball
- 100 PD Games (7)
- Tetris Pro
- Wibble Wobble Giddy
- Neighbours (2)
- Iron Clads (2)
- Grand Prix Manager 93
- Battle Cars 2
- Elevation 2
- CLI-Tris
- Tank Hunter
- Amos LoadaMoney
- LCD Dreams
- Board Games
- Defender
- DodgeEm
- Deluxe Pacman
- Solitaire Sampler
- Gameboy Tetris

DEMOS

- Flying Cow
- 9 Fingers (2)
- Skizzo 2 (4)
- A Trip to Deep Bass (2)
- Extensions
- Nerual Assault
- Fairlight 242
- Jessie On E's (2) (2D)
- Star Trek Rave Demo
- Wicked Sensation 2
- Claivrounce
- Kefrens Dane
- Data X Trilogy
- Extensions
- Desert Dream (2)
- Revelations Slides
- Techno React 2
- Techno Mods (5)
- Mayday
- Leathal Exit
- State Of The Art
- Rave Attack 2
- Flying Lessons
- LSD Techno Warrior
- Speed Demo (3)
- Rubarb & Custard
- Groove Is In The Heart
- Lemmon Groovy

1200UTILS

- Andy WB3 Utils
- AGA Utils *1
- WB3 Backdrops
- WB3 Virus Killers
- WB3 Hacks
- Fakemem
- Videotracker AGA
- 1200 HD Prep
- ASI Fix Disk
- Magic WB (hard drive)

1200 DEMOS

- Friday At 8
- Fatal Morgana
- Subliminal XTC (2)
- Beyond Relief
- Raging Fire
- May World (3)
- May World
- Virtual Journey
- Oliver & Queen
- Origin (2)
- Full Moon
- Abstract Pig
- Volcano
- Explicit 2
- Hoi Mindwarp
- Hoi Planet Groove
- Panta Rhei
- Channel No 5

1200 GAMES

- AGA Megaball
- AGA Tennis
- AGA Klondike (3)
- Motorola Invaders 2 (2)
- Mad Fighter
- Boron
- Oscar Game Demo
- Uchess (6 Meg)

1200 SLIDES

- ERIKA AGA
- Boris Vangelis (2)
- Worlds Beyond (3)
- Magic Factory (2)
- Body Shop 3
- Body Shop 5 (2)
- Body Shop 6 (2)
- Body Shop 7 (2)
- AGA Manga Slides (4)

EDUCATION

- Smartypants Demo
- World Geography
- Amiga Beginner
- ASI Back To School 1
- ASI Back To School 2
- ASI Back To School 3
- Little Traveller
- Communicate

BUS STOP PD

85p PER DISK

DISK CATALOGUE

50p & S.A.E.

UTILITIES

- ICON UTILITIES
- MED V3.20
- AMICASH
- IMPLODER
- D COPY V3.1
- DR MAG
- EDWARD
- BOOT GAMES
- MODERN UTILS
- ENGINEERS KIT
- DOC DUMP
- HACKERS ETHIC
- IN SCRIPT
- A GRAPH
- DCA COPY
- 1-3 EMULATOR
- 500+ EMULATOR
- MESSY SID 2
- SLIDESHOW MAKER
- CRUNCH + COPY
- OCTAMED V2.0
- EMULATORS
- AMICHECK
- FTX ACCOUNTS
- TERM V2.1
- NO ERRORS
- 1200 FIXDISK
- SKICK
- MAGNUM V1.9
- STARCAT
- 600 LETTERS
- LOCKPICK 2
- DPAINT FONTS 1
- VIDEO UTILS
- ACTION REPLAY
- V1.5
- CLUMPY ICONS
- V MORPH V2.0
- DISNEY CLIPS
- MAVERICK COPY

AMOS CRICKET

- ALL ROUNDER
- AIRPORT
- CRAZY PIPES
- CRAVE
- WREX
- BACKGAMMON
- CARD GAMES
- DUNGEON FLIPPER
- BOP N POP
- BEETLE
- PREMIER PICKS
- DOMINOES
- DEADLINE
- SLIMBALL
- SQUIGS
- ARCADE LEMMINGS
- ESCAPE
- SERENE
- RAID 3
- KLAKTRIS
- BOMB JACKY
- TOTAL WAR
- ARTILLERUS
- BOUNCE & BLAST
- MR & MRS

MUSIC

- JOE LE TAXI
- 3AM ETERNAL
- TOP GUN
- METAL MUSIC
- GNR SWEET CHILD
- GNR LIVE & LET DIE
- PET SHOP BOYS
- IRON MAIDEN
- LED ZEPPELIN
- ENIGMA
- DEBUSSY 2
- YAMMA YAMMA
- L7 WARGASM (2)
- COMA & ACID
- LOVE SHACK
- METALLICA: BATTERY (4)
- SIMPLE MINDS
- YOUNG GODS
- TOTALLY TECHNO
- BIZARRE INC

GAMES

- MEGABALL
- MISSION X
- GALAGA '92
- TANX
- ELEVATION
- STRIKE 10 PIN
- ETHOS
- POD
- PROJECT 1
- CASH FRUIT
- THE J.A.R.
- CHESS
- BATTLE CARS 2

ANIMATIONS

- THE PRISONER
- ROCK ALBUM
- WATERSHIP DOWN
- DR WHO
- ERASURE
- CATWOMAN

SHARON STONE

- DONALD DUCK
- YABBA DABBA
- BRUCE LEE
- HORSES
- CATS
- SHOWBIZ
- K.D. LANG
- MARVEL
- WENDY JAMES
- FRED
- AKIRA
- ROBOCOP
- MOTORBIKES

EDUCATION

- DINOSAURS
- FISH TANK
- I.Q. TESTER
- W/B 2 TUTOR
- AMIGA TUTOR
- CHEDS CHEATS
- POOLS TOOLS
- COLOUR IT
- STAR LAB
- CHESS HELPER
- RACE RATER
- LANGUAGES
- MIND
- BOWL
- GOLF RECORDER
- HIGHWAY CODE
- ARTSTIX
- DART MACHINE
- INVASION MATHS
- WORLD WAR 2

GLAMOUR

- TINA SMALL
- SAM FOX
- MARIA WHITAKER
- BUST UP
- BO DEREK
- CALENDAR GIRLS
- STRIP SLOTTER
- KATHY LLOYD
- ADULT JIGSAWS
- UTOPIA 1
- UTOPIA 2
- UTOPIA 3
- MADONNA SEX
- BLONDE BEAUTIES
- ERIKA ELENIAK
- ROSSANNA ARQUETTE
- SEXY DREAMS
- SABRINA
- HAM SHOW 1
- PAULINA

PLEASE DECLARE

OVER 18 WHEN ORDERING GLAMOUR DISKS. ALL THESE LISTED ABOVE ARE 500/+/600/1200 COMPATIBLE

P&P 50p PER ORDER

ALL DISKS ARE VIRUS FREE AND WILL BE DESPATCHED WITHIN 24 HOURS

THE CATALOGUE DISK

INCLUDES GAME, CHEATS, GOSSIP AND CLASSIFIEDS

PLEASE MAKE

CHEQUES AND POSTAL ORDERS PAYABLE TO:-

BUS STOP PD AND SEND IT TO:-

BUS STOP PD 2 WYCLIFFE

TERRACE GILMORTON ROAD,

LUTTERWORTH LEICESTERSHIRE, LE17 4DX

EUROPE POSTAGE

25p PER DISK REST OF THE WORLD

50p PER DISK ALSO CHEAP ACCESSORIES AND GAMES

C U A M I G A C L A S S I F I E D S



PARADISE ISLE

VAST HARDWARE, SOFTWARE AND ACCESSORY SUPPLIES AVAILABLE FAST

CD32 SPECTACULAR VOYAGE PACK

ONLY £234.99

FOR THIS AND HUNDREDS OF OTHER SPECIAL OFFERS CONTACT PETE AT

70, STANDFAST ROAD, HENBURY
BRISTOL AVON

TEL/FAX: 0272 500245

NEW

Amivision Software

Football Statistician Professional

League results database and analysis utility

- ☆ Store league results
- ☆ Analyse results with graphs
- ☆ Predict match results (Pools Prediction)
- ☆ Follow your favourite teams performance and form

An essential program for any football fan or for storing, analysing any other type of league.

- ☆ Store/Analyse any type of league with 2-24 teams (bowling, snooker, darts leagues etc.)
- ☆ Numerous statistics and display methods
- ☆ Many preferences and options
- ☆ Easy to use interface

only £14.95!

* Please make cheques payable to: "S.Rennocks"

DEPT CU, 1 CHERRINGTON DRIVE, GREAT WYRLEY, WALSALL, WS6 6NE

ARNOLD COMPUTER SUPPLIES

AUTHORISED ACORN DEALER

AMIGA A600 £195.00

AMIGA A1200 £295.00

FREE LOCAL DELIVERY (10 MILE RADIUS)

ALL YOUR COMPUTER NEEDS CATERED FOR.

PLEASE PHONE OR FAX FOR LATEST PRICES.

NOW IN STOCK BALL JET INKJET REFILLS

MANGA VIDEOS NOW IN STOCK.

PLEASE RING FOR INFORMATION PACK.

PRICES FROM £10.99.

BARRY VOCE 0602 264 973.

11 CAMPTON ST. ARNOLD NOTTINGHAM NG5 8G

AMIGA SPARES & REPAIRS

POWER SUPPLY A500/A500+/A600	£24.99
A520 MODULATOR (Exchange Only)	£24.99
A500/A500+ REPAIR CHIP P.O.A.	£37.99

CHEQUES/P.O. To:
Omnidale Supplies
8E Rowan Court
Friardale, Derby DE1 1B4



Amiga - 64 Link


£23.50 Inc VAT P&P

Links C64/128 peripherals to the Amiga parallel port (C64 not required)

Use your old C64 printer with Amiga (MPS, DPS, Star, Citizen, Seikosha, Brother...)

Transfer C64 disk files to the Amiga (BASIC, EasyScript, Sequential, Binary...)

York Electronic Research
The Paddocks, Jockey Lane, Huntingdon,
York, YO3 9NE
Tel: (0904) 610722
Fax: (0904) 670063



AMIGA OWNERS !!

- Need help with your Amiga?
- Want to meet other Amiga Users?
- Desperate for Advice?

If you are new to the Amiga then contact our user group for all the possible help and advice you will need.

We also offer discounts at the First Computer Centre in Leeds and an action packed monthly disk magazine which includes FULL member input!

Send an S.A.E. for further information to:

NORTHERN AMIGA USERS GROUP

Dept CU3 P.O. Box 151, Darlington,
County Durham, DL3 8YT

FORTRESS AMIGA PD LIBRARY

OVER 12000 DISKS AVAILABLE
ALL AT 95p INCLUDING P&P
Send 3*25p stamps For List Disk

Available are **FULL SETS** of:-

Fred Fish.	LSD Legal Tools
Scope Disks	Assassins Games
Assassins Utils	T/Bag Disks
PLUS	
Graphics. Music. Slide Shows.	
Games. Clip Art. Fonts, Etc...	
Far Too Many To List Them All	

Contact:- FORTRESS P.D.
26, SPENCER STREET, KEIGHLEY,
WEST YORKSHIRE. BD21 2BU
Phone:- (0535) 609263

TIGERSOFT A1200 ONLY PD

PREMIER PICS	FRED FISH CATALOGUE
18 HOLE GOLF (2D)	AGA ICONS
AGA MEGABALL	VIEWTEK V2.0
ORC ATTACK	SYS INFO V3.23
POLYMORPH	TEXTPLUS
TETRIS PRO	COMMODITIES COLLECTION
AGA UCHES 4 MEG	AMIGA GUIDE
AGA KLONDIKE (3D)	AGA UTILITIES (3D)
9 FINGERS (2D)	VIRUS CHECKER V6.34
AGA FRENCH DEMO	VIDEO UTILITIES (2D)
VIRTUAL ILLUSION	D COPY V3.1
PATHOGENIC	DISKSALV -2
FI-RE	HD PREP 1200
SNAKE RIDER (2D)	INSTALLER V1.24
JESUS ON CHEESE	3AGA DATATYPES
A TRIP TO DEEP BASE (2D)	EASY CALC PLUS

ONLY £1 each - plus postage 75p per order --
- FREE CATALOGUE DISK send S.A.E.
94 MURE AVENUE KILMARNOCK KA3 1TT

DEMO ZONE

FOR THE BEST AMIGA DEMOS

Complex Origin AGA (2)	World Of Manga AGA (4)
Impulse AGA	Snake Rider AGA (2)
Beyond Belief AGA	Ray World AGA (3)
Big Time Sensual AGA (2)	Biomechanoid AGA
Sanity Arte	Bodyshop 7 AGA (2)
Nine Fingers (2)	Point Of Sale AGA
Desert Dreams (2)	Grapevine 19 (3)
Fairlight 242	Full Moon AGA
State Of The Art (2)	Jesus On E's (2)
Chanel No.5 AGA	Erika AGA

Disks £1.00 each
Postage 60p per order
Cheques/PO's to J.P. Mahoney
8, THE TITHE, WICKFORD ESSEX,
SS112 0HN

"THE BIG 100"

One hundred - YES! 100
Different PD Games on 7 Disks
Arcade - Platform - Strategy - Puzzles

YOU GET THE LOT!
ONLY £6.00
(inc. Post & Packing)

Add £1 if you want our latest
Packed Catalogue Disk

ASGARD SOFTWARE
20, LANGDALE DRIVE
FLANSHAW, WAKEFIELD
TEL: 0924 - 363059 (24HRS)

50 TOP AMIGA GAMES

FOR ONLY £9.99 POSTPAID!!
These games are NOT Public Domain
or Shareware!

They are ALL 1993 Copyrighted games titles!

Adventures, Puzzlers, Platformers, Sports,
Shoot-em-ups, Beat-em-ups, etc...

Some of these games were MEGA-HITS

FUTURE SOFTWARE
8, Magnolia Park, Dunmurry, Belfast
BT17 0DS
ALL AMIGAS - 1 MEGABYTE MINIMUM
Fast Despatch on orders.
Overseas add £2.00

**35p
PD!**Great products
Great prices
Great service**£4.95
CD's!****Redlaw PD
Resources**A500/A500+/A600/A1200
CD32/A570/CDTV**The Amiga CD32 console, superb machine, includes 4 free CD games! £289.00****CD32 Software:**

Full range of exciting CD32 software included in our CD list and Overview booklet. To receive this, send two stamps for the latest information and order forms which also include a range of CD32 accessories!

PD Software:

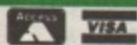
Choose from our huge range of over 4500 Public Domain disks. All disks available at either 35p or 75p each!! Send three stamps now to receive the full information pack and disk catalogue. There are no membership or other hidden fees and we operate a professional and fast service to users all over the world. We can offer you Assassins, LSD Tools, Animations, Clipart, Demos, Education, Fonts, Games, Mags, Music, Slides, Utils, Fred Fish, T-Bag, Imaginative Collection, Arsonist's Beauty Collection and many more!

CDTV/A570 Software & Hardware:

CD-ROM drive for A500Plus, free Fred Fish 1-660 & encyclopedia CD, a bargain £99.95
CD Case, replacement for those cases that got badly scratched or broken £0.95
CD Cleaner, Polisher & Restorer Kit will fix those CD surface scratches easily! NEW £4.95
CD Lens Cleaner, cleans that all-important lens in your CD drive. Easy to use £11.95
CD Storage Rack, holds 20 CD's and allows easy viewing/selection £3.95
Mouse for CD32, microswitches, smooth response, improves use of many titles £16.95
CDPD II Collection, Fred Fish to 740, entire NASA AB-20 & SCOPE collections! £18.95
CDPD III Collection, Fred Fish to 890, fonts, clip-art, utils, images, utils & books £18.95
DEMO CD, PD games, animations, demos, fonts, art, 4000 sounds & 1000 tunes! £18.95
DEMO CD II, 100 games, 6000 samples, 2000 tunes, late demos, 100's images £18.95
17-bit Collection CD, over 1600 of the best in PD games, demos, utilities, pics etc, on 2 brilliant CD's. An instant PD library for a very small outlay!! £35.95
17-bit CD II, includes latest 17-bit, 141 Assassins games disks, ARUG, AMIGAN.... £18.95
Aminet CD, 4000 files of games, demos, applications, docs, sounds, Popular £18.95
Multimedia Toolkit, images, clipart, sounds & utils for your own productions £18.95
Pandora's CD, 2000 colour clip-art, 100 sound FX & multi-media demos & more! £4.95
Labyrinth of Time, amazing adventure with photorealistic graphics! not CDTV £20.95

Amiga Accessories:

3.5" DSDD disks & labels, 50 pack	£19.95	3.5" DSDD disks & labels, 100 pack	£37.95
3.5" full-size disk labels, pack of 100	£1.95	Twin mouse/joystick ext lead	£4.95
Mouse mats, 6mm thick, value at	£2.95	Four-player extension lead	£4.95
Mouse mats, 11mm thick, luxury at	£3.45	Mouse/joystick switch box, manual	£7.95
A500/A500+ dust cover, protection	£2.95	Mouse/joystick switch box, auto.	£10.95
A600 dust cover, protection	£3.25	3.5" disk box, holds up to 12 disks	£1.65
A1200 dust cover, protection	£3.45	3.5" disk box, holds up to 40 disks	£6.95
Mouse house, fits any size mouse	£2.45	3.5" disk box, holds up to 100 disks	£8.95
Disk drive head cleaner kit	£2.45	Zipstick joystick, rugged, autofire	£12.95
Mouse, micro-switches, quality	£16.95	Printer lead, parallel	£4.25



Send cheque/PO to: REDLAW RESOURCES, 74 Durban Road, Patchway, Bristol BS12 5HQ Tel: (0272) 760600

Add 50p
postage
to orders

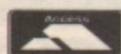
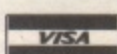
PENGUIN PD SPRING SALE

50p Per Disk P&P FreeGAMES-UTILITIES-MUSIC-HAM RADIO
FRED FISH-ASSASSINS-T/BAG-ART
ANIMATION-CLIPART-EDUCATION
MUSIC-MUSIC-UTILITIES + MOREPO BOX 179
READING
BERKSHIRE
RG3-3DD
ENGLAND**AMIGA****ATARI ST**

MEMORY EXPANSION

1Mb x 1	-80ns	DIP	6.03
256 x 4	-80ns	DIP or ZIP	6.03
1Mb x 4 (44C1000)	-80ns	A3000 ZIP	21.82
1Mb x 4 (44C1000)	-80ns	Static Col ZIP	21.82
1Mb x 8	-80ns	SIMMs (GVP)	39.95
4Mb x 8	-80ns	SIMMs (GVP)	135.13
4Mb (1x32)	-70ns	4000/030 72 Pin	141.00

Please phone for latest prices. VAT included Delivery £5.88

**KINGSWAY UK LTD**

Phone 0923 836473 Fax: 0923 836474

18 Foxfield Close, Northwood, Middlesex HA6 3NU

SRT - PD

**YOUR FAST AND FRIENDLY PD LIBRARY!
AMIGA PUBLIC DOMAIN FROM ONLY 70P PER DISK****UTILITIES**

U114	MAGNUM Disk magazine creating program	G84	GEORG BLAND (2 Disks) Incredible scenario platform game
U115	DISKSAVE 2 Salvage files from corrupt disks even undelete files	G95	SOLAR LORDS (1 Meg) Multi-player strategic space game
U116	BLITZBLANK (not A500) 12 assorted screen blankers protect your monitor from screen burn.	G96	CLUESO Agree PD version of the classic murder mystery game
U119	NT COPY New copy program that checks for viruses as it duplicates	G97	FRUIT MACHINE (A500 Only) For all you computer gamblers out there
U120	FAKEFAST MEM Run most A500 software on your new Amiga	G98	DEFENDER (A500 only) Superb clone to the original arcade game
U113	MAVERICK Commercial games protection resolver supports over 450 commercial titles	G99	MONOPOLY (A500 only) Another classic board game
U187	BUDBASE 1.2 Easy to use database with a tutorial for the less experienced	G100	SOLITAIRE SAMPLER 5Card games from serious software
U182	V MORPH create smooth morphs and warps	G86	ROAD TO HELL Excellent overhead racing game split screen option for 2 players
U186	ELECTRONICS CAD Computer aided design circuit board designing software	G87	MOTOGRA INVADERS 2 (2 Disks) (A1200 only) Space invaders for AGA machines
U140	CRIME DEVILS CRUNCHERS No less than 80 PD disk crunchers	G89	HIGH OCTANE Clone of the commercial racing game Nitro
U181	RELOCKICK Downgrade any new Amiga to 1.3 and solve most compatibility problems	G90	TURBO ICE HOCKEY (NOT A500) AS new 2 player ice hockey game
U92	MESSYSID 2 Disk/FILE arrangement program also incorporates MS DOS files	G91	DELUXE GALAGA (NOT A500) Space Invaders shoot-em-up
U110	FORMS REALLY UNLIMITED Design any kind of form or letter from scratch any size very easy to use	G92	METAL MOTION (NOT A500) Futuristic Operations What style game
U93	600 BUSINESS LETTERS Hundreds of ready to print and use letters for all subjects		
U106	BLACKBOARD At last a decent image processor for the Amiga		
U25	SPECTRA PAINT 3 Excellent paint package with added features		
U103	GATORS GRAPHIC GALLERY Excellent tutorial for DPaint 3 all kinds of hints and tips		
U112	OCTAVED V2.00 Great all purpose music editor		
U117	QUADRA COMPOSER 2.0 (Not A500) Music composing software with a modular style layout		
U118	DELTRACKER 13.7 (Not A500) New music module player supports 50 formats and can easily be updated		
U73	RIPPED MODULES 50 great music modules for use with above music software many modules and sound samples listed in catalogue		

GAMES

G93 MR MEN OLYMPICS (2 Disks) New all round athletics game hosted

100'S MORE UTILITIES, GAMES AND DEMOS LISTED IN KTHE CATALOGUE ALSO MUSIC, ANIMATIONS,
 FRED FISH, CLIP ART, FONTS ETC....NEW DISKS IN EVERY WEEK
 NOW IN STOCK ASSASSINS GAMES COMPILATIONS 1 - 160. NORMAL DISK PRICES APPLY.
 ORDER AS - ASI (NUMBER)

PRICES PER DISK

1 SINGLE DISK	=	85p
2 - 9 DISKS	=	80p
10 - 19 DISKS	=	75p
20 OR MORE	=	70p

DISK CATALOGUE 65p incl. ADD 65p P&P PER ORDER.

PLEASE MAKE ALL CHEQUES/POSTAL ORDERS PAYABLE TO SRT PD

27, KINGSHOLM ROAD, WESTBURY-ON-TRYM, BRISTOL BS10 5LJ

AMIVISION SOFTWARE

PowerBase v3.30

**The easiest to use and best value for money
database package available for the Amiga**Up to 10,000 record on a 1MB Amiga
Easy to use - pull down menus, V.C.R. style control panel,
and a separate pop up menu with the most used functions
8 field types, include IFF pictures and unlimited length text
files into your records. Calculate fields automatically from
others.Incredibly powerful record filtering facilities
Lightning fast and comprehensive searching and sorting
Label Printing, reporting and many other printer options
Design an unlimited number of form layouts
Output data to screen, printer, labels, or file for mail
merging etc.
View your records in k4 modes - page, record, table, and the
new form layout view.
Hard disk installation utility, additional utilities, and example
files.Other features include:- timed auto save, alarm, many
preferences (including a printer preferences section),
add/edit fields at any time, record calculation, key macros,
keyboard shortcuts, password protection, intelligent date
fields, on-line help for all functions, easy record editing,
personalised with each customers name & address, and
much more all from one easy to use package."It's fast, inexpensive, and simple
to use without being too simplistic:
the user interface is clear friendly
and good for new users"Ease of use 80%, value for money
90%, Overall rating 80%**Amiga Shopper, October 93**"the best value user-friendly
database on the Amiga"**Amiga Computing September
93**"Great database with video style
controls Lots of features"**Amiga Format Gold Award**"the finest example of business
software to date" incredibly easy
to use"**CU Amiga**Complete with detailed instruction
booklet for only £14.95**FREE FREE FREE**
Catalogue upon request
DEMO DISK £2

The POWER COLLECTION

PowerBase v3.4	£14.95
Word Power v2	£9.95
Power Planner	£7.95
Menu Power	£5.00
Disk Power	£5.00

Incredibly powerful and yet user friendly database system
Complete word utility (crossword/anagram solving + loads
more 36,000 word dictionary
Personal organiser 9 Diary, address/telephone book,
automatic reminders, regular events etc.
Create menus for your disks (add an IFF picture to the
background - stunning)
File management utility**SAVE £18! - ORDER NOW - FOR JUST £25!**

All programs come complete with detailed instruction manual

Football Statistician Pro	League results database and analysis utility	£14.95
Formula 1 Challenge v4	Multi-player formula one management simulation	£14.95

All programs require 1MB and are compatible with ALL amigas including A1200.
Prices fully inclusive for UK. Overseas orders please add £1.00 P+P*Please make cheques/postal orders payable to: "S. Rennocks"
Dept CU, 1 Cherrington Drive, Great Wyrley, Walsall, West Midlands, WS6 6NE



GAMES PROGRAMMING WITH BLITZ BASIC 2

Daniel O'Connor
looks at *Blitz Basic's* data
structure to find out why
it's the games program-
mer's best friend...

So far all the demo programs we've written have been very basic indeed, consisting of no more than two objects (shapes) moving around the screen. However, whilst this might be enough for a very simple game like *Pong* or *Break Out*, it's perhaps a little bit too limiting for most games. Imagine how boring a game like *Project X* would be if there were only two aliens to kill at any one time!

Keeping track of just one or two of shapes is very easy indeed, but what do you do if your game uses many different objects all of which may appear on the screen simultaneously, yet they move independently of each other? Using the rather amateurish approach of assigning each object a set of separate variables, keeping track of just four or five objects could be very code intensive! Take a game like *Alien Breed*, for example. Because the aliens do not move around in fixed movement patterns like a squad of soldiers, each alien needs its own set of parameters which defines where it is on the screen, what it's doing and so on.

Of course the simple solution would be to assign a set of unique variables to each alien: ALIEN1X, ALIEN1Y, ALIEN2X, ALIEN2Y and so on. Okay, so it would work but you'd soon end up getting completely bogged down in code. What's the solution? Well, ask any games programmer and regardless of their background or the types of game that they write, chances are they'll give you the same answer time and time again – the data structure. Fact is, the data structure is perhaps the most important ingredient in any games programming project and once you've mastered the theory, you'll find that there are very few games that you can't write yourself.

The data structure is one of the most powerful aspects of languages such as *C* and *Modula-2* but it's been strangely absent from modern BASIC implementations. Unlike AMOS, *Blitz* supports true data structures using its powerful 'NEWTYPE' statement. This is a much more powerful facility than the conventional (and rather limited) arrays that AMOS games programmers have to contend with.

DATA DESTRUCTION

A data structure provides the games programmer with a quick and easy method of grouping together several unique items of data under a single heading – ALIEN, for example. Say you wanted the following items of data to be held on each alien in your *Alien Breed* beater:

XPOS: the X screen position of the alien
YPOS: the alien's Y screen position

Data structures are very important if you want to write games that have many objects moving around the screen independently of each other.

STATUS: the alien's status. What is the alien doing?

DIR: the alien's direction of movement

You would therefore create a 'NEWTYPE' structure that held all this information in the form of a data structure. And, in true *Blue Peter* fashion, here's one I created earlier...

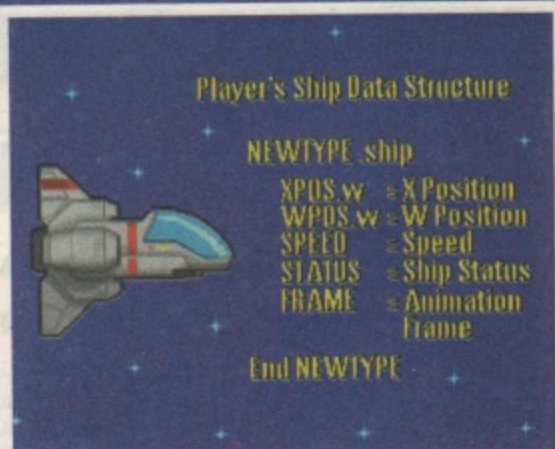
```
NEWTYPE .alieninfo
XPOS.w
YPOS.w
STATUS.w
DIR.w
End NEWTYPE
```

There's a couple of points worth noting about the above NEWTYPE definition. For starters, note how a full stop '.' precedes the name of the data structure. This is very important as it tells *Blitz* that this is a definition and not a data structure in its own right. All the NEWTYPE command does is tell *Blitz* the format of your data structure, it doesn't actually create the data structure itself. Think of it as drawing up a set of blueprints for your data structure.

If you've ever done any form of 68000 assembly language programming then you'll recognise the little '.w' symbols after each variable definition. Just like in assembly language, these tags tell *Blitz* the type of data that the variable will be expected to handle. *Blitz* supports a number of data types (not to be confused with the data types facility offered by Workbench 3.0), each with their own unique identifying letter.

Here's a quick rundown of the more commonly-used data types:

```
.b = Byte
.w = word (2 bytes, 16 bits)
```



Every object in a game has its own data structure that tells *Blitz* how the object should behave and its current status.

```
.l = longword (4 bytes, 2 words, 32 bits)
```

```
.f = float (floating point number)
```

Defining a data structure using the NEWTYPE command is only half the battle as it is nothing more than a definition that tells *Blitz* how to store data. In order to set aside the memory which will be used to hold the actual data, you need to create an array using the 'DIM' statement like so:

```
DIM alien.alieninfo(50)
```

This would give you 50 copies of the same data structure and would also automatically set aside the memory necessary to hold all that data in memory. Note, how the name of the data structure is split into two halves with a full stop separating them. Look carefully and you'll notice that the second half of the data structure definition is the same as the name we used when defining the format of the data structure with the NEWTYPE command. What we're doing is telling *Blitz* to create an array of data structures called 'alien' using a newtype called '.alieninfo'. Once the array of data structures has been created, we

no longer have to refer to the array using the 'alieninfo' extension – 'alien(n)' would do the job just as well.

Accessing the individual items of data inside a data structure is very simple indeed. All you need to do is to provide *Blitz Basic* with what can be best described as a 'pathname' to the variable you're attempting to access. Say, for example, you wanted to write a value of '15' into the 'XPOS' variable in the fourth data structure in our array (that's 'alien(3)' – don't forget that arrays start at element zero and not element one!). You would therefore use the following command.

```
alien(3)\XPOS = 15
```

The key to all this wonderful variable manipulation is that little forward slash character '/' that separates the 'alien(3)' bit and the name of the variable itself. Just like in AmigaDOS, this slash character works as a separator to differentiate between the different 'levels' of a data structure.

Also, like AmigaDOS, there is a much easier method of accessing the data within a data structure array that doesn't require you to type in the entire pathname every time you wish to access a variable. You can tell *Blitz* to change its 'current directory' (in AmigaDOS terms) so that it literally moves inside the data structure. The AmigaDOS command to do this job would be 'CD' but *Blitz* has its own CD-like command – USEPATH. All you need to do is to pass the command the 'pathname' of your data structure and you can then access your variables directly. Going back to our earlier example, you could therefore do the same job with the following lines of code.

```
USEPATH alien(3)
XPOS = 15
```

It's worth noting that despite the fact that we've used the 'USEPATH' command to lock on to the data structure that we're interested in, *Blitz* still insists that we put a forward slash character before any variables within the data structure. Although it can make your code look rather confusing, you'll soon get used to this idea.

CHAIN LETTERS

Using an array to group together lots of data structures of the same format is all very well if you know that every data structure 'element' in the array will be used. If, on the other hand, only a couple of the array elements are ever in use at one time, scanning through the entire array every time you wish to update your aliens (or whatever) is wasting precious processor time. A much faster method is to take advantage of *Blitz Basic's* 'linked lists'.

Anyone who has studied computer science should feel at home with the linked list. For the benefit of those of you without HNDs though, a linked list is a complex array that provides instant access to the elements within an array that are actually used. What's more, they need to run in order (like a conventional array) – *Blitz Basic* automatically handles an 'index' that points to the next used element within the linked list. So what? I hear you ask. Well, linked lists are very useful in games programming as they allow you to write routines that process only those elements within an array that are actually in use. Say, for example, you had an array that handled your aliens. If the array handled a maximum of 100 aliens but only three aliens were actually on the screen, there would be very little use in scanning the other 97 empty array elements. You could theoretically do this with a conventional array, but *Blitz's* linked lists do all the work for you.

In order to create a linked list, all you have to do is to use the 'Dim List' command rather than the 'Dim' command when you first create your array. This tells *Blitz* that the array should be a linked list rather than a conventional sequential array. Unlike a conventional array, you should never access an linked list array element unless you know exactly what you're doing. Instead, you should use the commands that *Blitz* offers that allow you to move back and forth through the structure of the linked list. Check out the box below for a complete rundown of the commands on offer. **CU**

LINKED LISTS

RESETLIST: Goes to the very first element in the linked list. Even if there aren't any items in the array, this command must be called.

CLEARLIST: Empties the specified array.

ADDFIRST: Allows you to insert data into a data structure which is then treated as the first element in the linked list. This causes all other elements to be 'bumped' forward by one.

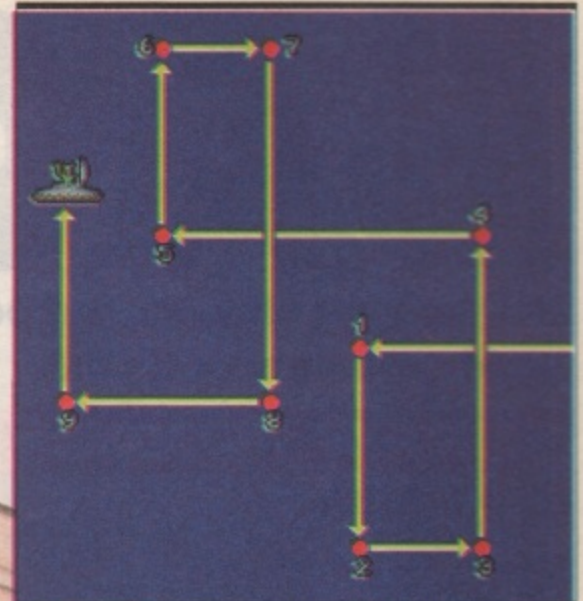
ADDLAST: Allows you to insert data into a data structure which is then tacked onto the end of the linked list.

ADDITEM: Allows you to insert a new list element directly after the 'current' element.

KILLITEM: Kill the current linked list element.

PREVITEM/NEXTITEM: Move back and forth through the linked list.

FIRSTITEM/LASTITEM: Jump directly to the first or last elements in the linked list.



Most games that use complex movement patterns for computer-controlled objects use what games programmers call 'look up tables'. A look up table contains a list of co-ordinates.

GET THE LOOK

If you're writing an arcade shoot 'em up game, along the lines of *Project X* or *Blood Money* then one of the most important aspects of the game's design is the attack patterns used by the marauding aliens that fly across the screen to attack the player's ship.

Most amateur games programmers tend to stick with the simplistic 'straight line' approach that moves your aliens from one side of the screen to the other with little or no variation in their flight pattern. Although this can be effective if the screen is hectic enough, just about any games player worth their salt will be able to beat your game just by moving their ship to the right position.

A far more interesting and more challenging method of controlling groups of aliens is to use 'movement paths' or 'attack patterns' as they are also known. A movement path defines what directions a shape (or a group of shapes) must travel to get from its start position to the point where it leaves the screen (if it gets that far). For more complex patterns involving many changes in the direction and even the speed of a shape, games programmers use what is commonly known as a 'look up table'.

Although the name may sound very grand, look up tables are a very simple programming principle. A look up table contains a list of co-ordinates that defines the path of an object as a series of steps. How many steps you have in the look up table defines the complexity of the object's movement path. For example, if you have just two steps in the path, the object would appear, move once and then disappear – hardly awe inspiring.

The data in a look up table consists of sets of co-ordinates that define what programmers call 'delta' moves. Delta moves are nothing more than relative values that define where an object should move relative to its last position. If, for example, an alien was positioned at 100, 200 and the delta co-ordinates were 10, -20, the alien would move to 90, 180. How you generate these delta co-ordinates is up to you but most games programmers write a utility which allows them to plot movement patterns which are then saved off to disk as co-ordinates. Alternatively, you can write your program in such a way that the values held in the look up table are generated at 'runtime'. That is, every time the game is run.

```
File: ds.BB2
8 *** Look up table, data structures and maths demo
9 *** By Daniel O'Connor for CU Amiga
NEWTYPE .ballinfo
  X.W      : *** Ball X position
  Y.W      : *** Ball Y position
  POS.W    : *** Position in look up table
End NEWTYPE
NEWTYPE .lookuptable
  S.W      : *** S co-ordinate
End NEWTYPE
Dim BALL.ballinfo(5) : *** 5 data structures for balls
Dim TABLE.lookuptable(360) : *** Define look up table
HEIGHT = 60 : *** Height of sine wave
WIDTH = 1 : *** Width of wave
POSITION = 128 : *** Position of centre of wave
*** Generate look up table co-ordinates...
For c=0 To 1 Step 0.0025
  USEPATH TABLE(c)
  S = Int(Sin(Pi*2*c)*HEIGHT+POSITION)
Next c
*** Set up ball data structures
Line:1 Column:1 Largest Mem (K):2047
```

One of the most powerful aspects of the *Blitz* language is its 'NEWTYPE' facility which allows you to use true C-like data structures and linked lists.

BACKCHAT

Roll up your sleeves, get pen to paper and look intellectual. Tony Dillon enjoys a good argument or a chat.

LETTER OF THE MONTH

NO MOTION

So Commodore have finally announced that they are going to release the CD-ROM drive for the A1200. Surprise, surprise there is no FMV card in it. Is this the same drive that they've been developing for the last year? The one that they weren't going to release because they couldn't fit an FMV card to it? Or is it a completely new drive? That would explain the fact that it isn't going to be released until September, an irritatingly long time considering the number of people who, like myself, bought an A1200 with the definite aim of upgrading as soon as the then-proposed drive became available. WHY IS IT TAKING SO LONG!

Okay, so the drive won't be able to hold an FMV card. So what? I can't see any situation where full motion video would be any use, except for watching films, and my VCR fits that purpose quite respectably at the moment. Perhaps Commodore think that FMV-only games are going to be the way forward. Quite why I don't know, as the PC CD-ROM market has had MPEG for a while now, and there is no sign of any true-colour only games. Even companies like Sales Curve, who are developing FMV games, are developing 256 colour versions at the same time.

The reason? Only a few people actually have FMV on their machines at the moment. Anyone who released for that small market would not make money, so software houses have to play to the lowest common denominator. I'm just a games player, and this has been apparent to me for quite some time. Why has it taken so long for Commodore to get it?

Denise Reddy, Liss.

I agree with you totally as regards the FMV-only side, however, there will be FMV games appearing, although they won't be exclusive. The whole software world is turning to FMV at the moment, and there is the chance that one day it will become as standard as a low resolution 32 colour screen is now, so you can't blame Commodore for wanting to be on the wagon, can you?

GO FASTER STRIPES

I read with interest T.S. Nielson's letter in the April issue of CU AMIGA concerning the rumoured existence of an accelerator for the A600.

Well, does it exist or doesn't it? Your magazine is supposed to be up to date with the latest in Amiga news, so I would have thought that you would be in a position to find out and inform your readers, after all it is in their best interests. I suspect that it's not in Commodore's best interests as it will stop people forking out for an A1200. Frankly I could not care less about Commodore and their financial problems as I am one of the many who bought an A600 when it was being marketed as the replacement for the A500.

I now have the extra 1Mb up the trapdoor, the 4MB in the PCMCIA slot and an 85Mb hard disk. I could really use an accelerator, more memory and Maths co-processor but I'm not going to spend £299 on an A1200 just to be able to add to it. Who cares about AGA chipsets? Their new display modes aren't genlockable anyway.

I think a fair example of Commodore's marketing and sales ability is the fact that they allowed 1084S monitors to go out of stock over the Christmas period. I wanted to get one but couldn't, so in the end I bought a Mitsubishi Multisync with a .28 pitch that can display the output (with an adapter from Trilogic) from almost any computer and very sharp it is too! I wonder how many other sales Commodore lost because of their ineptitude.

Okay, so we all know that Commodore don't really care about what happens to their customers but we don't have to accept it. We don't have to play their game. Perhaps if third-party manufacturers knew how many A600's were sold (and still are) it might make them consider that a range of products for this machine are still a viable commercial enterprise.

So to Mr. Pleasance I say, service your existing client base and stop warbling on about how wonderful the CD32 is – or lose future repeat business. You need to deal with existing problems before going out and creating a whole lot more!

I look forward to hearing from manufacturers concerning new products for the A600.

Alan Paterson, Aldershot.

Andy Leaning answers: Firstly let me assure you that Commodore do care! But as is often the case some things are beyond their control,

the monitor problem was just such an instance. To answer your question about A600 peripherals I spoke to the several of the leading Amiga developers: GVP, Power, Amitek, etc.

As I write this none of them are planning an A600 accelerator. The reasons given were all the same: lack of demand. None of these major developers believe A600 owners want an accelerator and therefore have no plans to produce one.

The root of the problem is that Commodore did such a good job on pricing the A1200. As you point out the A1200 is only £299 – a good accelerator for the A600 would start at around £150 and rise to about £250 with extra RAM. Most developers feel that average users won't want to spend £199 on an A600, and then another £200 (total £399) on an accelerator when they could buy a A1200 for £299 which would have the same power!

But it's not all bad news! Amitek, Power and GVP would consider changing their position if they thought there was demand it. So if you want an accelerator for your A600 write to and tell them, the CU AMIGA team would also be interested, drop us a line letting us know why you think an there should be an A600 accelerator and what you would like in it! Remember, it's in your hands!

MARK UPS

In reply to Alison Klerk's reply (April) to my letter (March), she is totally missing the point. What I was saying was that the music industry charges reasonable (!!!) amounts for its goods making only a 500% profit (!!!) whereas the software industry is making a 2000% profit on its goods.

I know we are all being ripped off left right and centre, but maybe a bit more by the software houses than anyone else.

50p for a can of coke! Ee by eck lass, yer want t' move up North. It's only 35p a can up 'ere, by gum lass!

P. Ciague, Wirral.

35p! With savings like that, how can you be concerned with software industry price inflation? But Coke is getting cheaper here in the south too. All you've got to do is go to France!

TEAM TALK:

What sort of Carry On is this? Asked publisher Mike Frey, after catching the entire team playing doctors and nurses on the fourth floor of EMAP Towers. And he was right to ask the question...

ALAN DYKES

"Carry On Amiga" said Alan, doing his damndest to imitate someone's name he can't



remember from the infamous Carry On movies. "If I keep wagging my stick in front of the screen like this, something's bound to happen!" (ha, ha). Very sad. But it gets worse.

LISA COLLINS

Attempts to persuade Lisa to imitate Barbara Windsor failed miserably: "Carry On movies



are degrading and sexist," said Lisa from her soap box. "They are the product of low intelligence and filthy minds". Phwoarr – Lisa's lovely when she's mad.

IMPRESSIVE SKIDS

Just a couple of days I bought *Skidmarks* for my A500 and was completely amazed by the quality of the game. It just shows how the Amiga 500 can still thrash any Jap crap console when it comes to playable, smooth running and graphically amazing games. Many of my friends have Sega Mega Drives and claim that the Amiga would never be able to have a game as good as *Sonic The Hedgehog 2*, but why we want a game which to complete you just need to wedge the joystick right and select autofire.

I am also the proud owner of a CD32 and have recently bought *Microcosm* for it, and was also amazed by it. I am now waiting for the SX1 expansion module and keyboard which may one day emerge so that I can play *Skidmarks* with AGA cars.

It is good to see that software manufacturers are putting the playability before graphics, unlike on the consoles. I hope Acid Software will bring out some games for the CD32 and it is also nice to see that the price for CD32 games has stuck around the £25-£30 mark (unlike the Mega-CD) and the CD is now not just being used for CD soundtrack padding, but used to its full potential. Long live the Amiga and as the Commodore poster says, "To be this good will take Sega ages."

P.S. Tony D. should win an Oscar for *Click*.

R. Frost, Wakefield.

We always welcome positive letters, and yours is one of the most positive we've come across in a long time. It's a shame you had to bring *Click* up though, as Tony ran screaming from the room as soon as someone mentioned it.

HONEST POLICY

I must thank you for the first honest review of *Labyrinth of Time* for the CD32. Yes the graphics are stunning but the game itself is so boring! You wander around for hours doing very little except getting stuck occasionally. When you do find an object to pick up or use it is usually required way over in another area of the game and you spend the next 20 minutes trying to get back there to see if it really does do the job.

As for the surreal maze, you can stick that in your basket of oranges. It's pretty and weird, but so annoying. This is the one place you need the automapping, and it doesn't work!

I would also like to thank you for being the only magazine to point out the worry I had. Every review spoke only of superb CD32 stuff - none of them mentioned that the box said the game would run on a bog standard A500 or CDTV. I kept thinking I had been ripped off and had the wrong version!

Steve Calkin, Canvey Island.

Everyone knows that CU AMIGA are an honest bunch. We like to pride ourselves on accurate reviews, viewed from the gamers point of view, instead of technical or industry viewpoints.

THE FAR SIDE

By GARY LARSON



"And notice, gentlemen, the faster I go, the more Simmons sounds like a motorboat."

RAMBLING FREE

It's been quite a while since I've felt compelled to write to a computer magazine but a friend (Mr I Fereday) and I have spent the last few years contemplating life, the universe and everything. Not so long ago we came upon that hallowed subject subject of the computer games industry. We reminisced on years gone by, those heady days when the Commodore 64 ruled the computer world. Oh how we would sit and wait nine or ten minutes for the games to load. It was in those early days that we learned patience. Games were aplenty and you would never go short, some of the better games costing only two pounds.

But that's all in the past and now we have moved onto bigger, brighter and better machines. There's just one large difference between the older machines and the new, apart from the obvious, and that's the competition that used to run between companies to make better games. It seems that there are only a couple of international corporations (with hedgehog and plumber fetishes) that churn out mediocre games dressed up with pretty graphics and sound and sell because of the media hype rather than creating hardcore, kick ass playable games (eg *Cannon Fodder*, *Alien Breed*). It seems that one company's idea, no matter how good or bad, is copied and decorated with different graphics. After all what difference is there between *Street Fighter* (1, 2, & Turbo editions), *Mortal Kombat* and *Body Blows* when they are all stripped down to the bare bones. Some people might argue that it's the extras that make the game, but those different extras cost, and can leave you feeling cheated and broke at the end of

the day. NB we aren't just targeting these few games but all games that are essentially cheap clones of any idea.

Essentially, what we are saying is that now we have better computers let's use them. So, when all you console kids have finished playing with your toys, get some programming done and join in the ranks of real men and women (and small furry creatures from Alpha Centuri) playing, and leave a mark on the history of computer while it's still fresh. (It will be something to tell your grandchildren about.)

Heath Robinson and Ian Fereday, Wolverhampton.

Words of wisdom there mate. The market needs you, and you need the market. The software industry is crying out for fresh, new talent, so if you've got a great design, or consider yourself to be the best coder ever, then get out there and show what you can do!

ANGRY OF AMERSHAM

I am very angry. Being a CDTV owner I am getting extremely sick and tired over all the CD32 hype. Yes it is a great machine, but what about its predecessor?

CDTV owners, like myself, have been left high and dry by Commodore. What ever happened to the rumoured trade-in offers where existing CDTV owners could possibly upgrade to an A1200 or CD32? Instead all we are left with is a bloomin' expensive A500 with a CD drive, shoved in a black box and a rapidly diminishing software selection. I have written to Commodore on several occasions regarding upgrades and trade-ins, and I am still awaiting a reply.

So on behalf of all the CDTV owners, I would like to ask you;

- 1) Are there going to be any trade-in offers? If so, how much and when?
- 2) Are there any upgrades available to bring a rapidly dating machine up to the current spec?
- 3) Is it worth ditching my CDTV and saving up to buy a PC which will not date as fast as an Amiga appears to.

Finally, I would like to thank Commodore for showing us CDTV owners the kind of support we showed them when we bought the machine... NOT! G Pollard, Amersham.

At time of writing, Commodore were unable to make any comment on rumoured trade-in deals, although we would like to stress that these were only ever rumours. As far as upgrading the machine, you can add extra chip RAM, but that's as far as it goes. If you want to buy a new machine, why go for a PC? What's wrong with an A1200, or even an A4000? When you say that a PC will not date 'as fast' as an Amiga don't forget that people who bought 286PC a few years ago have now been left high and dry in terms of software support while the 386 is almost at the same stage. And a new 486 costs three or four times as much as an A1200.

TONY DILLON

The Sid James of computer games was on top form at the ECTS, legging it around the show



with his hair down, grabbing everything he could get his hands on (oooo-er!). "I do like to keep myself abreast of the latest software" said Tony (ha, ha, giggle, giggle, yuk, yuk).

ANDY LEANING

This innuendo master of the technical world, our Andy wasn't holding anything back this month (ho, ho!).



"What do you get if you put a piece of software down the front of your trousers and some hardware down the back?" "Underware!" said he (giggle).

TONY HORGAN

"Oooooo, nooooo", said Tony, who spent most of last month in bed (yuk, yuk). "The ides of March are nigh." Yes Tony. Only, you're about three months out of date. "Oooooo, never!" he continued, getting one line closer to a reprimand (ooo!) by the minute.



JOHN KENNEDY

The star performer (well, well!) of Amiga Q+A was outraged this month: "you can't do that you devils, you'll get it all down the front of your, oooooooo!" he said as his glasses steam-ed up. "You saucy devils!" he exclaimed as the food food fight continued.



CU

AMIGA

SUBSCRIBE TO CU AMIGA NOW & RECEIVE A BRUCE SMITH BOOK WORTH UP TO £21.95!

CU AMIGA is the magazine for comprehensive coverage of software and hardware for the A500, A500+, A600, A1200 and CD32. Your subscription guarantees you the latest news and honest reviews, in-depth features and tutorials plus the best coverdisk software, utilities and game demos available... allowing you to sort out what's best from the rest.

SUBSCRIBE NOW!

- Guarantee your personal copy of CU AMIGA with previews, reviews, advice and the best cover disks.
- Get the next 12 issues of CU AMIGA delivered to your door at no extra cost and before it's available in the shops!
- Choose from one of these fantastic offers:

Bruce Smith Books Subscription offer only £49.99!

Receive either *Mastering Amiga Beginners* or *Mastering AmigaDOS 3 Tutorial* from top Amiga Book publishers, Bruce Smith Books.

MASTERING AMIGA BEGINNERS

The ideal introduction to computing with your Amiga. You'll find the step-by-step explanations easy to understand and you'll soon be confidently carrying out essential procedures such as formatting disks, copying files, setting preferences and working from a shell window.

From word processing to programming, including paint programs, database and spreadsheets, the second part of this book introduces you to the wider world of Amiga computing. It explains what you can do and how to go about choosing software and hardware for your requirements. Take control of your Amiga. The subjects covered in this book include:



WORKBENCH FAMILIARITY, PREFERENCES, UTILITIES AND TOOLS, BEGINNER'S AMIGADOS, GETTING YOUR PRINTER TO WORK, FONTS, GRAPHICS, DESKTOP VIDEO, COMMS, MUSIC & SOUND, UPGRADING, PUBLIC DOMAIN, PCS, VIRUSES, INTRODUCTION TO PROGRAMMING RRP £19.95

MASTERING AMIGADOS 3 TUTORIAL

Mastering AmigaDOS 3 Tutorial is the complete introduction to AmigaDOS; designed to help the beginner become the expert. Chapter summaries and a Workbench/AmigaDOS primer are among a number of new features designed to make this subject accessible to the novice user.

From formatting a disk to writing scripts, using pipes and multi-tasking, over 400 pages spans every aspect of the Amiga's operation. This book is packed with useful DOS one-lines and programs. The current version is completely updated for DOS 3.0 on the Amiga A1200 and 4000. RRP £21.95



TO ORDER, SIMPLY COMPLETE THE FORM PROVIDED, ENCLOSE PAYMENT IF APPLICABLE, AND SEND TO: TOWER PUBLISHING, TOWER HOUSE, LATHKILL ST, MARKET HARBOURGH, LEICS. LE16 9EF. ALTERNATIVELY CALL OUR CREDIT CARD HOTLINE ON 0858 468888 QUOTING APPROPRIATE SOURCE CODE AND OFFER CODE.

Alternatively, get 12 issues for the discounted price of £39.99 and save over £7.00 on the cost RRP of 12 issues of CU AMIGA!

IMPORTANT. Bruce Smith Books offer and discounted offer available to UK residents only.

CU AMIGA SUBSCRIPTION ORDER FORM

Please tick as appropriate:
RATES - 12 issues including postage.

U.K. ONLY:

- ☐ £39.99 12 issues only. Offer code A1A
☐ £49.99 Please send me (tick 1 box): ☐ *Mastering Amiga Dos 3*. Offer code 1B
☐ *Mastering Amiga Beginners*. Offer code A1C
 (Above offers only available to UK residents only.)

EUROPE/ROW:

- ☐ £60.00 SURFACE ROW. ☐ £66.00 EUROPE / EIRE AIRMAIL
☐ £96.50 ROW ZONE 1 & ZONE 2 AIRMAIL

METHOD OF PAYMENT:

- ☐ Cheque / Postal Order / International Money Order made payable to EMAP IMAGES LTD.
☐ Access / Visa _____
 expiry date ____ (Mastercard, Diners Club, Amex, American Express also accepted)

Name: _____

Address: _____

Postcode: _____ Telephone: _____

Send this form to: Tower Publishing, Tower House, Sovereign Park, Lathkill St, Market Harborough, LE16 9EF. Please allow 28 days from receipt of order for delivery. Your subscription should start from the next available issue unless otherwise specified. Bruce Smith Book offer subject to availability.

- ☐ Tick here if you do not wish to receive any direct mail that Emap Images Ltd. feels may be of interest to you.

CU AMIGA NEXT MONTH

"Hi, I'm Tony Dillon and this is the CD32. Next month I'll show you some pictures of Cyberwar on it and you'll probably faint with excitement."



GAMES GALORE...

Valhalla - Oh my god! Just when you thought a cute adventure was impossible!

Robinson's Requiem - If you're ever likely to get stranded on a desert island you'd be well advised to read next month's review.



Robinson's Requiem - coming soon



Ishar 3 - the sequel to the sequel. If you're going to spend any money on software this summer don't miss **CU AMIGA!**

PLUS: FOOTBALL MANIA CONTINUES!

GETTING SERIOUS...

Following this month's top cover disk, **Video-tracker**, and our Graphics and Video feature we've got some top new products lined up including **Video Creator**, GVP's **Time Base Corrector** and the **DPS PAR card**. We also hope to bring you an exclusive review of a brand new graphics package. Plus: they've done it, they've upgraded **Wordworth 3.0** to **3.0a**. Will it make the grade? All this and more!

CU AMIGA July 1994. Coming to a shop near you. Don't miss it!

CU AMIGA reserves the right to change features if the products are not sent to us on time.

CAN YOU BELIEVE THE HYPE?



After years of experimentation CD technology is about to take off, with four major players on the console starting blocks. But, with the industry's past track record in delivering the goods on time, Steve Keen asks if it will ever become a reality.

Oh yes, the future is almost here! (to coin a certain lower-selling magazine's phrase!). Remember CDTV? How can you forget it. That sleek black box was touted by Commodore as being the future of game technology and, to a small extent, Commodore was right, I still use mine to check out the latest PD disk and play the odd audio CD. Over the last few years Commodore has passed eight different pieces of hardware under our noses only to have them discontinued or replaced, often as little as six months after initial release. So what sort of future can we expect for its newest 'marvel', the CD32?

BACK IN TIME

Although the CD32 was released nine months ago it's only at this stage that quality games are finally beginning to trickle through. *Liberation* has won over many, but with the announcement of the new £249 Spectacular Voyage Pack, including six games of *Chaos Engine*, *Wing Commander* and *Microcosm* quality, things are looking better. What's taken so long to program games that really show off the machine's capabilities though? Well, it takes any new machine time to establish itself and for programmers to get used to the hardware. However, since the CD32 is basically enhanced Amiga technology with a CD drive strapped on, this is not much of an excuse (although trying to fill up 650Mb might be!).

UP TO SPEED

However, the market is rapidly changing, and more companies than ever are poised to pounce on the high street punter with their own, all singing, all dancing machines.

3DO, the much hyped company set up by former Electronic Arts big wig, Trip Hawkins, has been pushing its latest technology, licensed by Sanyo and Panasonic, hard. Early last year 3DO promised fantastic quality graphics and gameplay on a CD based machine due for UK release in April this year. But that date has already slipped twice: first to May and now to September. Even worse than that, rumours of machines released before Christmas in America suggest that the software keeps crashing due to problems with the CD drive. In the UK computer trade paper, CTW, 3DO admitted to being 'overambitious'.

Japanese giants Sega didn't escape being tarnished with the over-hype brush either. Now poised to reach new heights of hype with its future console, the Saturn, and wonder add-on the Mars, it wasn't too many moons ago that Sega was pushing the rather less than awesome Mega CD. Supposed to revolutionise games playing, the Mega CD has far from delivered the goods. Initially, claimed to have a maximum disc accessing time of 0.5 seconds, the last game I clocked one it sported gaps of more than half a minute between plays! And does anyone remember the Sega home virtual reality unit? No? Well that's because it never materialised! Least said the better.

As for Nintendo, its new machine hardly exists on paper, let alone as a concrete development. The optimistically-titled Project Reality couldn't be much further from fruition. It's a long term project between Nintendo and Silicon Graphics, the computer graphics and film specialists behind

such hits as *Terminator 2*. Nintendo have been raving about Project Reality to the press for months, but so far nothing more than a short demo has appeared and that's only on Silicon Graphics' £250,000 development machine, the Onyx Reality Engine 2. Rumour has it that the Project Reality machine itself won't see the light of day for another two years.

Maybe this will be the year that Commodore's arch nemesis, Atari, will break back into the home console market. Not so long ago Atari single-handedly ruled the home market with its phenomenally successful VCS2600 console and having tried its hand at the hype market before, this time it's gone for a more reserved approach with the 64-bit Jaguar console. Instead of trying to blind punters with buzz words and fantastic claims of performance Atari have been attempting to wow programmers and software publishers first. This approach seems to have paid off because out of all the new systems due for release, people in the know are tipping the Jaguar most likely to to succeed. However, even though launch is only two months away, there are only a handful of games even remotely close to completion, and several of those are tired old shoot 'em ups and conversions. To make matters worse the CD add-on for the console has been cruelly dubbed 'the toilet' by the industry, due to its resemblance to an Armitage Shanks flip top model. Hardly a prized purchase.

BIG BOYS' TOYS

Out of all the new machines that will emerge over the coming year only one has really caught *everyone's* imagination – Sony's PS-X. This CD based phenomenon has caused a stir throughout the industry, with tales and screen shots of better than arcade quality graphics and coin-op perfect conversions of multi-thousand pound machines, such as *Daytona Racing*. However, all these wonders are still months or years away and launch dates can prove notoriously slippery.

So what can Commodore offer with its CD32? Well, for a start it's here *now*! And with the new value pack it hardly costs an arm and a leg. Software support is strong too – there are over 80 games already available for the machine. But most of all, the CD32 has a new FMV cartridge, allowing movies and the like to be played from compact disks. Every one of the 5000 advanced units has already been sold.

CD32 is still in there and you can be sure that

Commodore are not going to give up on this one. Hardware manufacturers' hype machines will continue to come and go, Commodore's, no doubt, included. There's always something better on the horizon. But it's important to remember that some horizons are closer than others – at least with Commodore and the CD32 it's not somewhere over the rainbow. **CU**

Steve Keen is a journalist and commentator who writes material for computer and home entertainment magazines as well as for the television show *Bad Influence*.

CU AMIGA would like to stress that opinions voiced on this page do not necessarily reflect those of the magazine.





Rarely will you find a device so highly acclaimed as the Vidi series. A range of products designed to suit both your budget and requirement.

To Offer you complete peace of mind, each and every model is upgradeable to the next. So if you move towards a more professional application your digitiser can progress with you.

No longer are you faced with an out of date product that doesn't fulfill your needs. Its all very well me blowing my trumpet, but what do the journalists think of the Vidi Range?

After purchase we welcome your comments, its our policy to listen.

In fact the Vidi range was designed by user feedback.



Stephen Bathgate
Managing Director

What the press said...

Mat Broofield CU... Value for Money, "no other digitiser comes close."

"At £199 I think that Vidi 12 RT is the cheapest real-time 24-bit digitiser in the world, it's the only one for Amiga that doesn't need a big box machine such as the A1500 or 3000."

Alan Puzey AMIGA USER INT... "What can I say? Between £200 and £300 for an excellent 24-bit real time frame grabber that you can slip in your pocket and take anywhere: it's guaranteed to break the ice at parties when you slip it out and extol its virtues."

AUI... "Sorry Rombo, but I'm not going to give it more than the 98% I gave the Vidi-Amiga 12; where would your incentive to produce yet a better machine go then?"
The Vidi-Amiga is one of the greatest graphics products to appear on your favourite computer...its obviously going to be one of the really top Amiga products of 1994."



The Vidi Range

AUI AWARDED
98%
FEBRUARY 1994



AMIGA MANIAC AWARDED
98%
MAY 1993



AMIGA SHOPPER AWARDED
★★★★★
FEB 1993



AUI AWARDED
98%
JANUARY 1993



Vidi Amiga 12 is our entry level digitiser. Perfect for someone who's getting involved in video capture for the first time. This model captures mono pictures in real-time, colour in less than a second.

Software includes an Animation Workstation and powerful Image Processing grabs pictures in 4096 colours and 16 greyscales. Comprehensive file support includes BMP, Tiff, IFF, ANIM etc. Fully compatible with all Amiga's.



£99.95



Vidi Amiga 12RT, is the perfect Multimedia video tool for A1200 users. Offering real-time colour image capture in all Amiga modes including 24-bit.

Fully compatible with all Amiga's, 2 meg or above. Images can be grabbed in 16.7 million colours or 256 greyscales from any video source (TV, Video, Satellite etc.) Connect Vidi to your camcorder and you have one of the most powerful scanning devices available.



£199

Vidi Amiga 24RT is our most powerful real-time digitiser. Producing SHR (Super High Resolution) true colour images at beyond broadcast quality. Designed for the normal user, but offering truly professional results. For the person who wishes to push his Amiga to it's MAX!

It will capture your imagination, bringing photorealistic images to your screen. Suitable for any image related multimedia, picture scanning application. Although this model is compatible with all Amiga's it is best used on AGA machines or Amiga's fitted with true colour display cards. Most of this advert has been produced using Vidi Amiga 24RT so throw away your scanner!



£299

Rombo, winners of the coveted SMART Awards 1 & 2 for innovation



Further information and details on how to order
Call: 0506 466601

Rombo, Kirkton Campus, Livingston, SCOTLAND, EH 54 7AZ.

Full working program disk and manual available for £29 also includes **FREE** image disk.

Huge Savings from



WH SMITH



SAVE

£29.99

R.R.P. £55.98

Lemmings 1+2 - Amiga
in one pack

£14.99

R.R.P. £25.99

Lemmings 1 - Amiga

SAVE

£19.99

R.R.P. £34.99

Lemmings 1 - PC

£34.99

R.R.P. £74.98

Lemmings 1+2 - PC
in one pack



WH SMITH

Available in larger Boots Stores and
main W H Smith computer games stockists

Other Lemmings packs available

